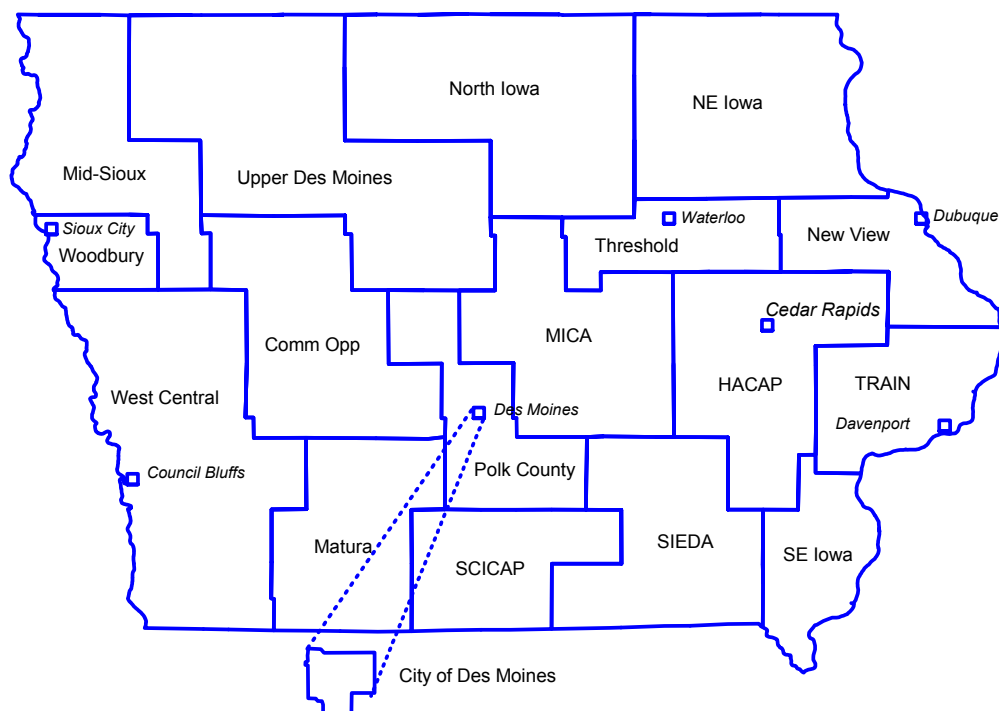

REPORT ON IMPACTS AND COSTS OF THE IOWA LOW-INCOME WEATHERIZATION PROGRAM – Calendar Year 2001

November 20, 2002

Iowa Community Action Agencies



DALHOFF AND ASSOCIATES
533 Marshall Circle
Verona, WI 53593

608-845-6551
fax 608-845-6544
gkdalhoff@compuserve.com

**REPORT ON COSTS AND IMPACTS OF THE
IOWA LOW-INCOME COLLABORATIVE
WEATHERIZATION PROGRAM**

Calendar Year 2001

November 20, 2002

**Prepared for the
Iowa Statewide Low-Income Collaborative**

**by
Dalhoff and Associates
533 Marshall Circle
Verona, WI 53593
608-845-6551
fax 608-845-6544
email: gkdalhoff@compuserve.com**

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1. EXECUTIVE SUMMARY

This report summarizes state and utility low-income weatherization program activity for households weatherized to completion during calendar year 2001. The report includes state, utility, and agency summaries of calendar year 2001 spending and impacts by measure, end-use, and fuel.

Program Costs and Impacts

We estimated energy and coincident demand impacts for the program participants by applying the adjustment factors to the engineering estimates that were developed for the 1992 program¹. The estimates were adjusted using factors derived from a fuel consumption analysis of the 1992 program participants, and secondary, agency-specific, adjustment factors developed using data for completions during the period April, 1996 through March, 1997, September, 1998 through August, 1999, and January through December, 2000 and 2001. The base data consisted of statewide program tracking databases of spending and measure installations for households completed during the calendar year 2001.

The WAP program audited 2,003 households during calendar year 2001, and installed energy measures in 1,998. Program expenditures for labor, materials, and support totaled \$8.43 million in calendar year 2001, averaging \$4,225 per household. Although most measures installed by the program in 2001 are essentially unchanged from the 2000 program, clients received significant benefits from the addition of refrigerator and freezer exchanges or removals and greater installation frequencies of all major measures offered by the program.

First-year savings of natural gas totaled 507,034 therms -- a 6.8% increase from 474,554 therms in CY 2000 -- and 1,349,721 kWh -- a 54.4% increase from the 873,876 kWh of electricity saved by the CY 2000 program. Utility-funded measures were responsible for 44% of all energy and demand savings for electricity, and 41% of natural gas savings.

In addition to utility-provided fuels, the CY2001 program saved 62,190 gallons of propane, 7,434 gallons of fuel oil, and 27 Mbtu of other fuels.

First-year client energy cost savings totaled \$621,654 -- an increase of 29% over the \$483,923 saved by the CY 2000 program, and averaged \$310 per household, up from \$244 the previous year. The increases in client bill savings reflect higher installation frequencies of major measures, the addition of refrigeration measures, and higher fuel costs experienced during CY 2000.

On average, the program saved 679 kWh of electricity for 1,987 households with electricity impacts -- this constitutes a 52% increase in average electricity savings for households with electricity impacts. The program saved an average of 297 therms of natural gas for 1,706 households with gas impacts, 274 gallons of propane in 227 households with propane impacts, and 191 gallons of fuel oil in 39 households with fuel oil impacts.

Utilities contributed \$1.93 million in expenditures, or 23% percent of the total program expenditures. Utility-funded measures were installed in 1,500 households. Savings from utility-funded measures

¹ see the following Wisconsin Energy Conservation Corporation reports for a full description of the estimation routines and derivation of the adjustment factors:

- Estimated Low-Income Program Impacts in Iowa, June 14, 1993;
- An Evaluation of Iowa's Low-Income Weatherization Efforts, August 8, 1994; and
- An Evaluation of the 1995 Iowa Low-Income Collaborative Weatherization Program, November 5, 1996.

averaged 399 kWh in 1,472 utility-funded households with electricity impacts, and 175 therms in 1,204 utility-funded households with gas impacts. Utility-funded measures yielded first-year client cost savings averaging \$32 per household for electricity measures and \$153 for gas measures.

Fuel Consumption Analysis Results

The natural gas savings reported herein have been adjusted at the agency level. These adjustment factors were derived from a fuel consumption analysis of recent program participants. The factors were applied to the estimated natural gas, propane, and fuel oil heating measures, and to natural gas and propane water heater measures. Along with providing better assessments of agency-level impacts, this procedure also provides a check on the accuracy of the algorithms used to estimate savings. The fuel consumption analysis showed 24.9% savings $\pm 1.3\%$ at 90% confidence for natural gas measures installed in CY 2001.

Changes in Program and Report Contents

As noted earlier, refrigeration measures were phased in during CY 2001, including exchanges and replacements of refrigerators and freezers. In addition, the utilities expanded funding of high-efficiency furnace replacements during 2001.

We have added additional summary tables in this year's reports to assist the utilities with load planning. Past reports included tables showing impacts for utility-funded measures. These additional tables report estimated impacts for all measures in houses directly serviced by each utility, including DCAA-funded measure impacts.

2. SUMMARY OF PROGRAM IMPACTS AND EXPENDITURES

Program spending totaled \$8,462,089 for houses weatherized to completion during calendar year 2001, up by about 12% from \$7,557,251 in 2000 (see Figure 2.1, totals exclude administration expenditures). The number of households weatherized in 2001 decreased by 8.4%, from 2,187 in 2000 to 2,003 in 2001. Utility expenditures totaled \$1,930,056, a 22.8% increase from expenditures of \$1,683,504 in 2000.

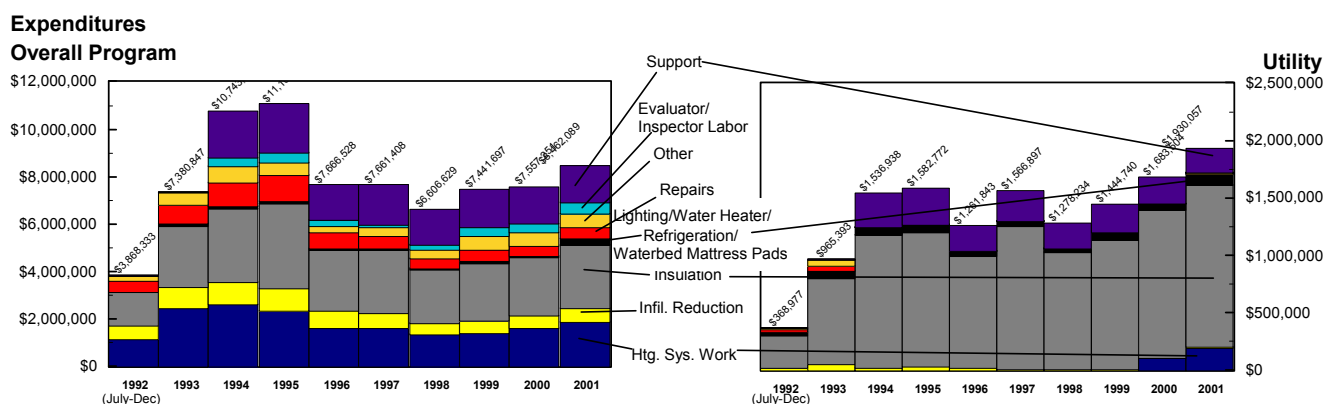


Figure 2.1 Overall program and utility spending.

Aggregate program energy savings increased by 3.1%, from 60,271 MBtu in 2000 to 62,123 MBtu in 2001 (Figure 2.2.) Utility-funded energy savings decreased by 2.8% to 23,064 MBtu in 2001.

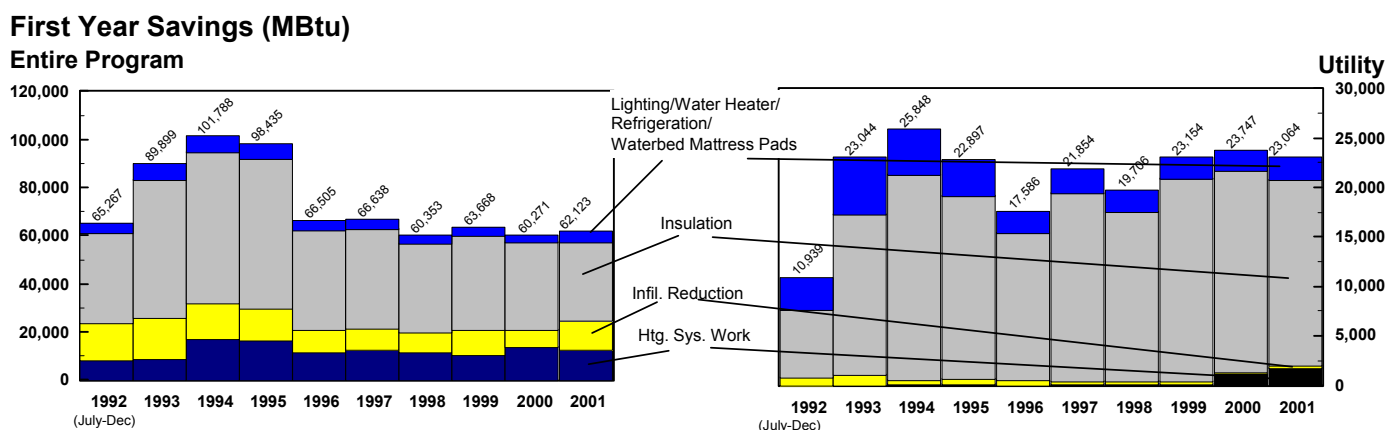
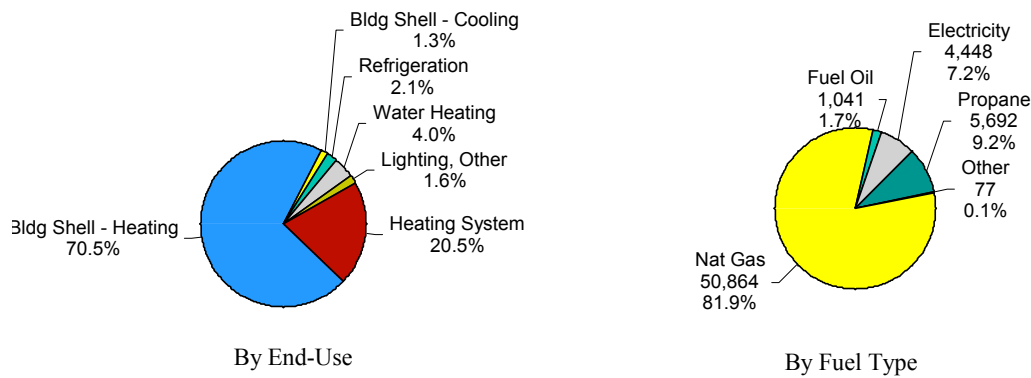


Figure 2.2 Overall program and utility energy savings.



Total of 62,123 MBtu savings, average of 31.0 MBtu per household.

Figure 2.3. Overall energy savings by end-use and fuel type.

The 2001 program saved an average of 31.0 MBtu per household (Figure 2.3.) In fuel units, first-year savings totaled 508,643 therms of natural gas, 1,303,387 kWh of electricity, 62,190 gallons of propane, 7,434 gallons of fuel oil, and 27 MBtu of wood, coal, and other fuels. Savings were dominated by natural gas heating measure savings, which increased by 7.1% from CY 2000. Electricity savings increased by 49.2%, largely due to impacts from the newly implemented measures for refrigeration appliance exchanges and removals.

Nominal total first year client energy bill savings increased substantially from \$483,923 in 2000 to \$621,653 in 2001 (Figure 2.4a.), and the average first year client bill savings increased by 27.5%, from \$244 in 2000 to \$310 in 2001. The substantial increase in client bill savings is attributable to two factors: 1) higher average fuel costs, particularly for propane and natural gas, and 2) substantially greater savings of electricity, which costs 3-4 times more on a MBtu basis than other fuels.

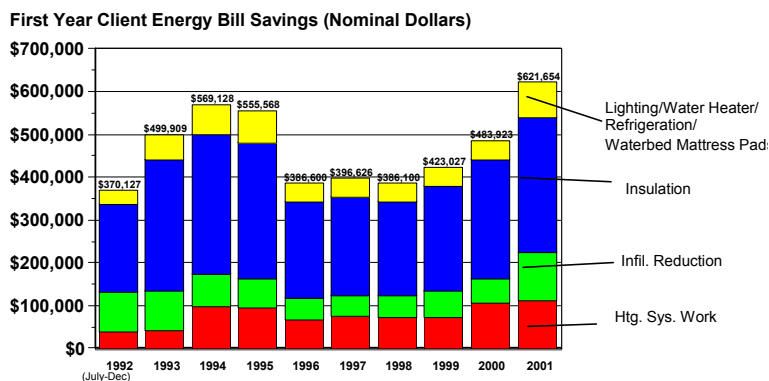


Figure 2.4a First-year client cost savings by year.

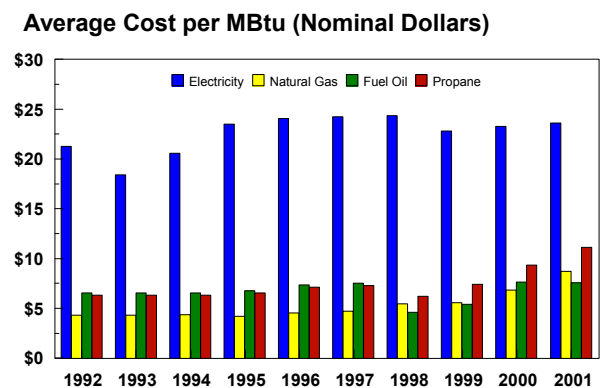


Figure 2.4b Average fuel costs

Utility Funding Impacts

Utility funding totaled \$1,930,056, accounting for 22.8% of total program expenditures in 2001. On a percentage basis, this is up from 22.2% in 2000.

Utility funding reached 1,500 households, or 75% of all households treated by the program, up slightly from 71% in 2000. The average utility expenditure for materials and labor was \$1,289 for households receiving these measures (Figure 2.5.) Utility support expenditures averaged an additional \$138 per household receiving utility-funded measures.

Utility-funded measures accounted for 38% of MBtu in 2001 compared to 39% in 2000. These measures were responsible for 45% of all energy and demand savings for electricity, and 41% of gas savings. Utility-funded measures saved an average of 399 kWh of electricity for the 1,472 households with utility-funded electricity measures, and 175 therms of natural gas for the 1,204 households with utility-funded natural gas measures. In aggregate, utility-funded measures installed in 2001 reduced peak electricity demand by 192 kW in the summer and 125 kW in the winter, and provided 2,183 peak-day therms of gas savings.

Average Household Expenditures and Impacts

Average household expenditures increased 22% to \$3,460 from \$3,460 in 2000 (Figure 2.6.) Insulation accounted for the largest proportion of total expenditures, followed by heating system work and support.

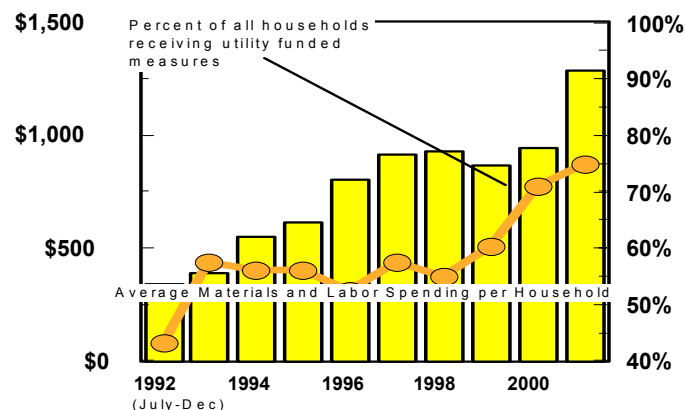


Figure 2.5. Penetration and average utility spending.

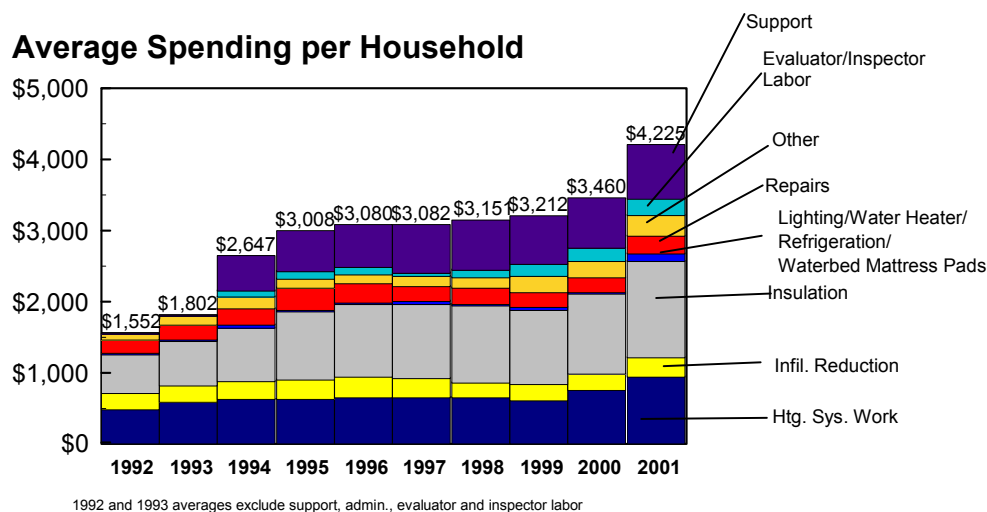
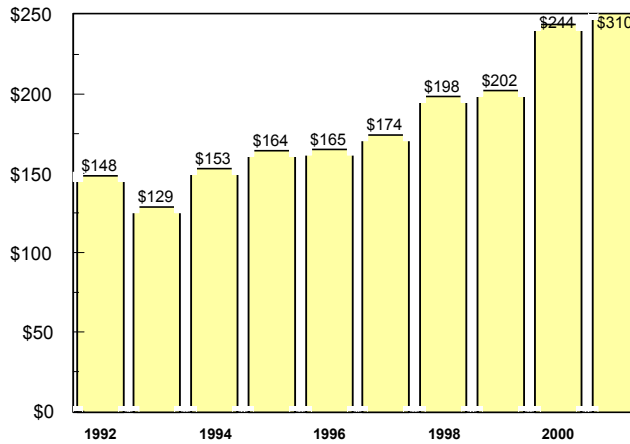


Figure 2.6. Average spending per household.

Annual Client Energy Cost Savings (Nominal Dollars)



NOTE: Average values for households receiving energy measures.

Figure 2.7. Client energy cost savings by end-use.

Average Annual Energy Savings (MBtu)

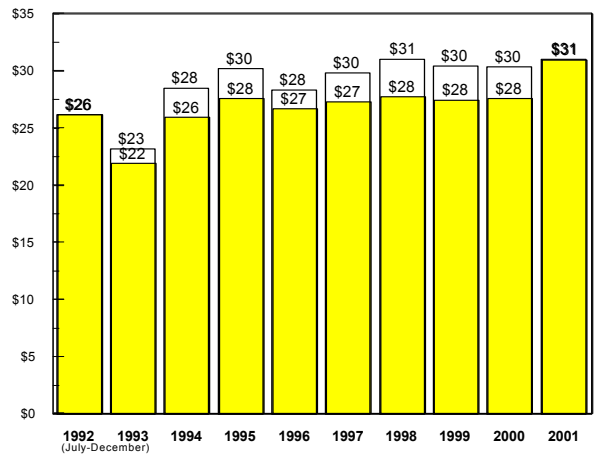
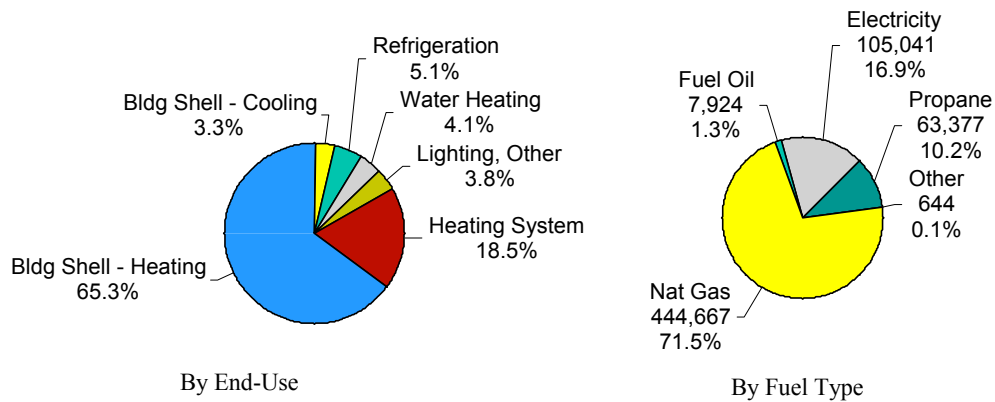


Figure 2.8. Average household annual energy savings.

First-year client fuel bill savings increased from \$244 in 2000 to \$310 in 2001 (Figure 2.7) for households receiving energy savings measures. Household average savings were 31.0 MBtu for clients weatherized during 2001 compared to 30.3 MBtu in 2000. (Figure 2.8.)



Total of \$621,653 in first-year client bill savings, average of \$310 per household.

Figure 2.9. Overall client fuel bill savings by end-use and fuel type.

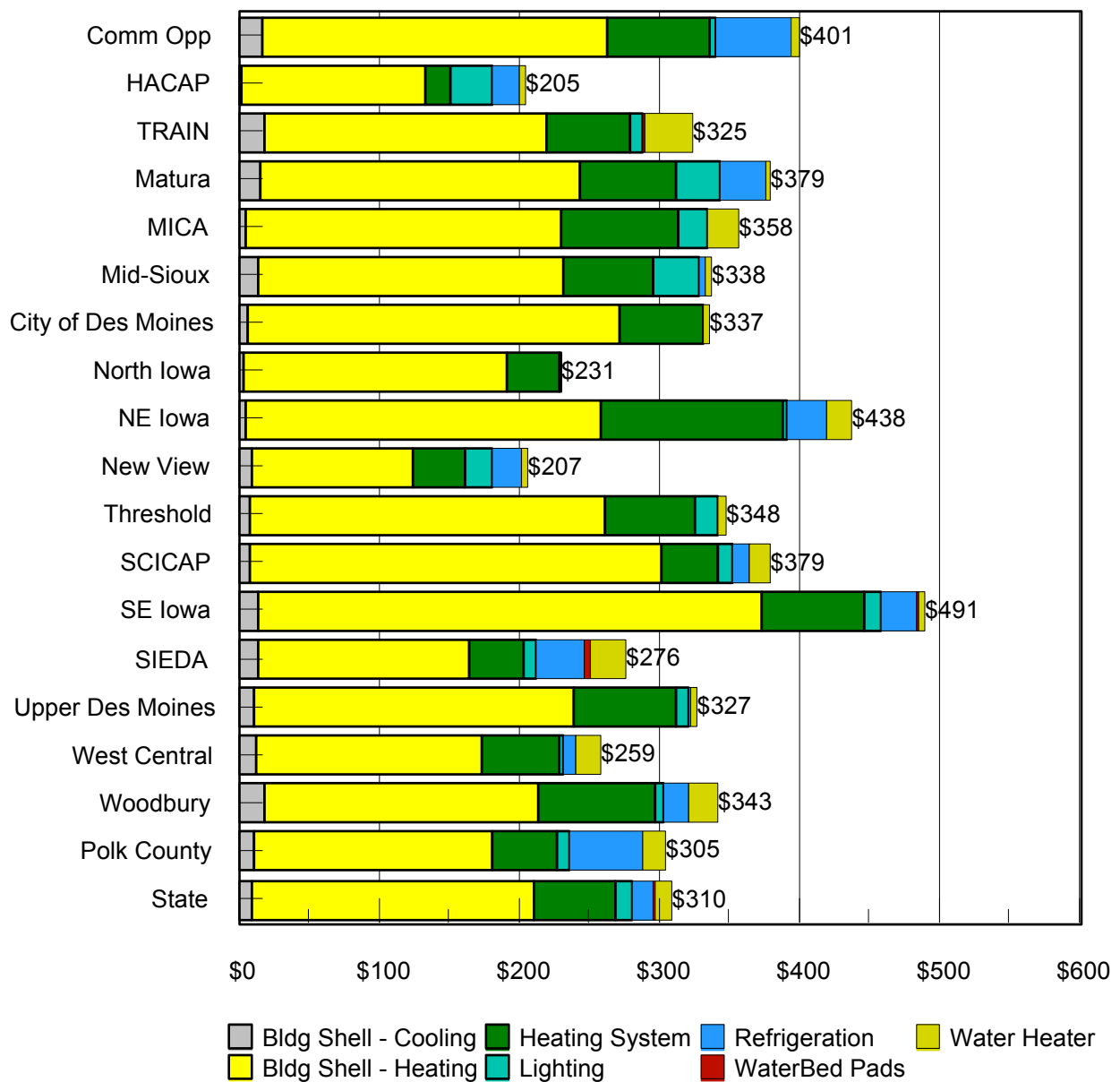


Figure 2.10. Average annual energy cost savings per household with energy savings

Figure 2.10 shows the average annual energy cost savings by agency.

Note that a number of factors affect the values shown in this chart, factors beyond quality or intensity of weatherization treatment. Consequently, these results should not be used as a basis for comparing the quality, attention to detail, dedication, or other factors of agency performance.

Reasons for variations in average client cost savings include:

- regional variations in levels of pre-existing insulation which reduces savings potential for northern and central region households (see the report on the report of the 1997 weatherization program for details)
- differences in fuel costs -- utility rates vary from one utility to another and some agencies serve a greater percentage of rural clients who often rely upon the more expensive deliverable fuels for heating and water heating;
- climate variations across the state mean that some agencies may see greater heating (and cooling) fuel savings than others.
- differences in the average size of the houses treated -- agencies that treat larger (but fewer) houses will have higher average savings per house.
- external source of funding for furnace replacements (City of Des Moines)

The average first-year client bill savings was widely varied across agencies, from lows of \$205 per household (HACAP) and \$207 per household (New View) to a high of \$491 (Southeast Iowa).

The natural gas savings attained by each agency were confirmed in the fuel consumption analysis (see Section 3, Assessment of Agency-Specific Adjustment Factors). A fuel consumption analysis was not run for electricity or deliverable fuels (propane, fuel oil, and other fuels).

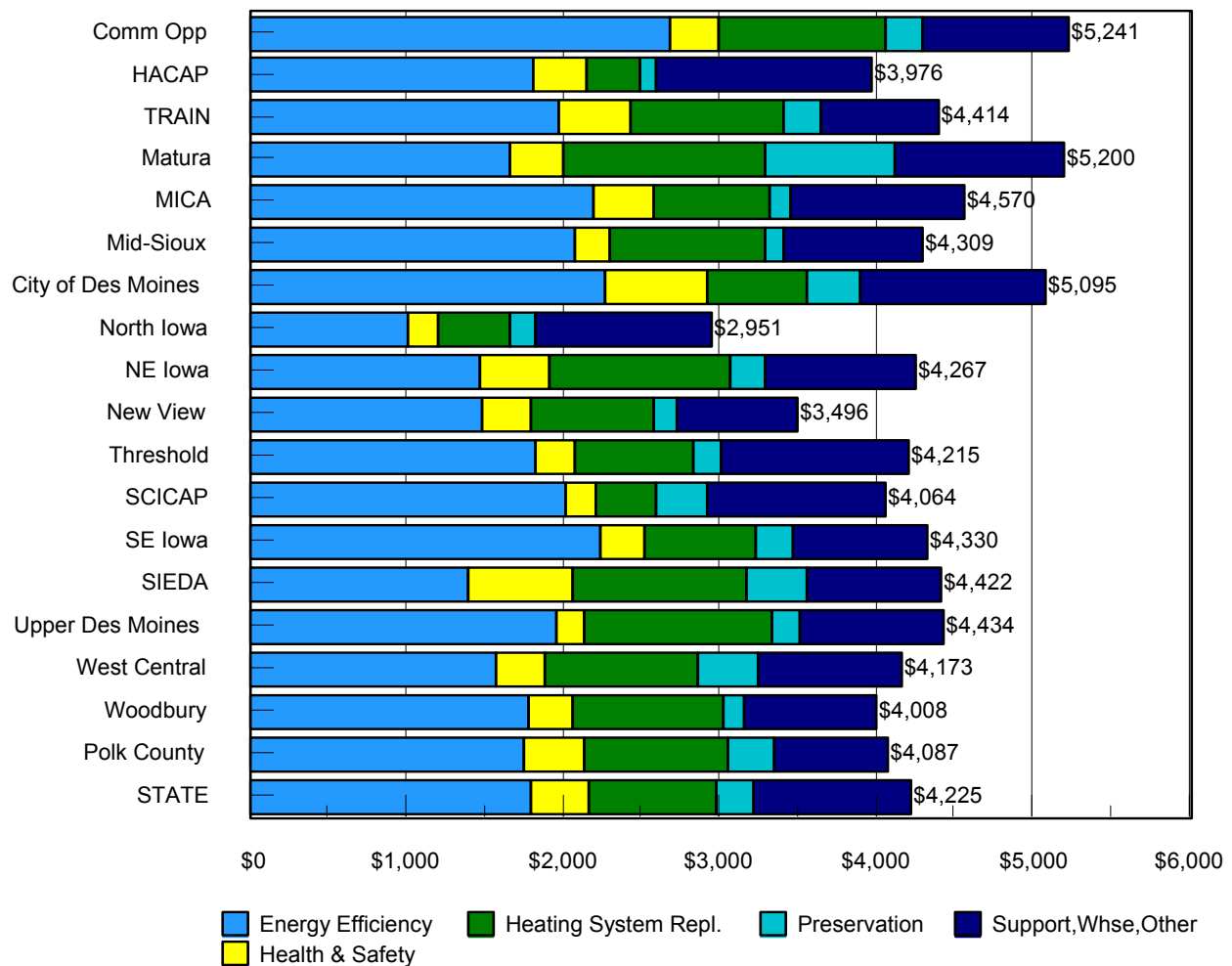
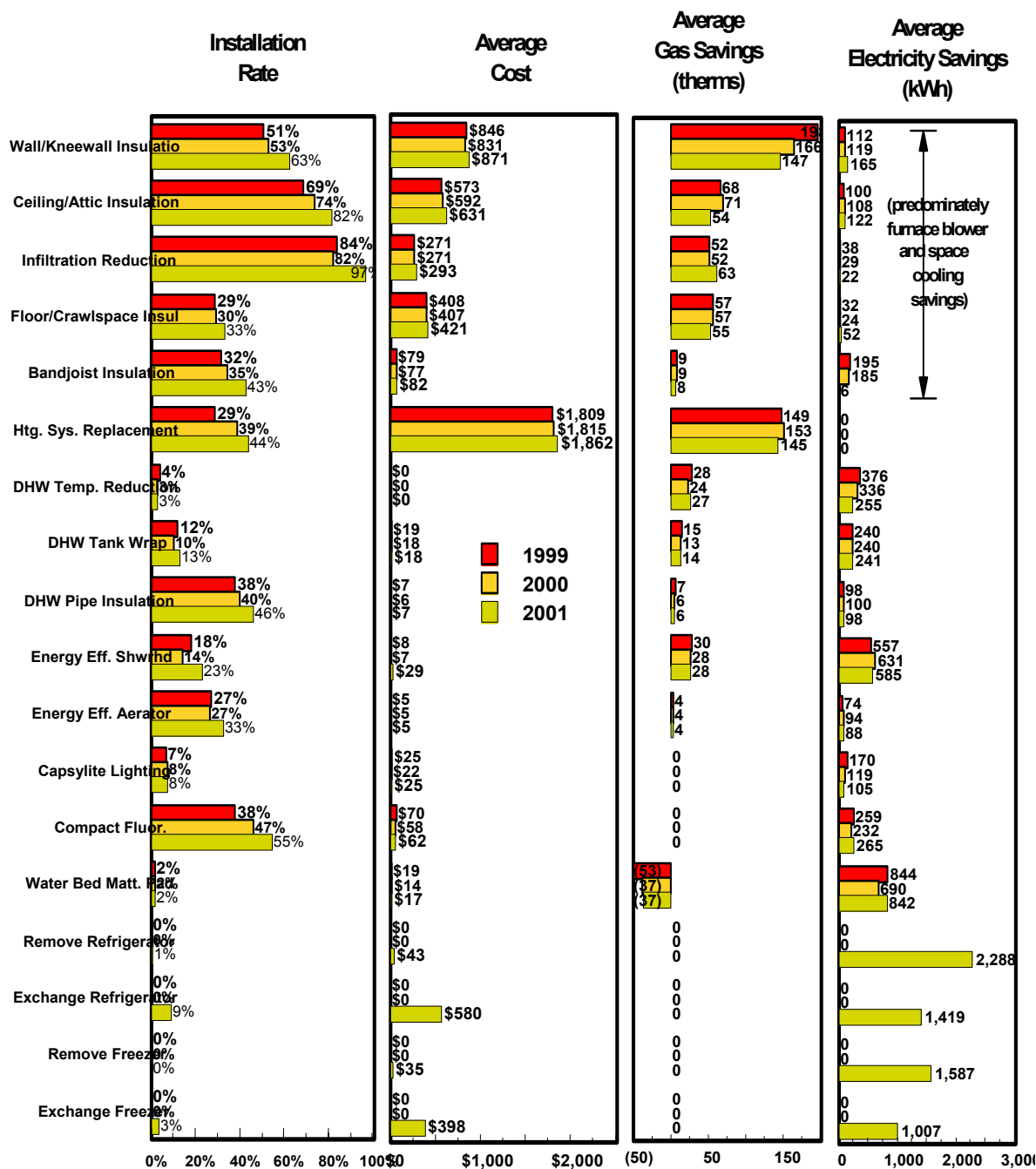


Figure 2.11. Average spending across all households.

Figure 2.11 shows the average expenditures for all households in 2001. Community Opportunity spent the greatest amount at \$5,241 per household (this was down from \$5,734 per household in 2000) followed by MATURA (\$5,200) and City of Des Moines (\$5,095). North Iowa spent the least, averaging \$2,951 (this was up from \$2,168 per household in 2000).



Note: all averages are per household that received the measure

Figure 2.12. Installation frequencies, average costs, and average energy savings.

The average installation rates, costs, and savings for energy efficiency measures for 1999-2001 are shown in Figure 2.12. The installation rates all measures increased for all major measures, and remained unchanged for water heater tank temperature reductions and capsylite lighting.

The CY2001 program saw the introduction of several new refrigeration measures. Refrigerator and freezer exchanges averaged \$580 and \$398, making these the highest average cost measures except for heating system replacements and wall and ceiling insulation. The estimated savings for refrigeration measures came from results of the Iowa Baseload Energy Efficiency Pilot Program: those results are summarized in Appendix B.

Table 2.1. Percentage of houses receiving measures

| Measure | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |
|--|------|------|------|------|------|------|------|------|------|------|
| <i>Insulation and Infiltration Reduction Measures</i> | | | | | | | | | | |
| Wall/Kneewall Insulation | 48 | 53 | 52 | 57 | 59 | 59 | 56 | 51 | 53 | 63 |
| Ceiling/Attic Insulation | 73 | 72 | 71 | 72 | 72 | 73 | 72 | 69 | 74 | 82 |
| Infiltration Reduction | 87 | 86 | 82 | 84 | 86 | 87 | 89 | 84 | 82 | 97 |
| Floor/Crawlspace Insulation | 30 | 29 | 30 | 32 | 34 | 33 | 32 | 29 | 30 | 33 |
| Bandjoist Insulation | 44 | 42 | 41 | 42 | 43 | 41 | 39 | 32 | 35 | 43 |
| Damming Material | Na | Na | Na | Na | Na | 5 | 24 | 28 | 31 | 33 |
| Unspecified Insulation | 14 | 3 | 0 | 0 | 14 | 38 | 52 | 60 | 67 | 76 |
| <i>Heating System Measures</i> | | | | | | | | | | |
| Htg. Sys. Replacement | 26 | 21 | 26 | 28 | 30 | 33 | 31 | 29 | 39 | 44 |
| High Eff Htg Sys Repl | Na | Na | Na | 5 | 4 | 6 | 7 | 5 | 8 | 18 |
| Std/Unspec Eff Htg Sys Repl | Na | Na | Na | 23 | 26 | 26 | 24 | 24 | 31 | 26 |
| Htg. Sys. Tune and Clean | 61 | 63 | 63 | 64 | 66 | 61 | 59 | 53 | 52 | 63 |
| Heating System Safety Check | Na | Na | 33 | 46 | 47 | 45 | 55 | 55 | 60 | 25 |
| Htg. Sys. Other | 35 | 59 | 37 | 37 | 31 | 30 | 29 | 15 | 7 | 25 |
| Duct Insulation | Na | Na | 1 | 2 | 2 | 3 | 2 | 2 | 2 | 2 |
| Duct Sealing | Na | Na | 41 | 30 | 26 | 22 | 20 | 23 | 23 | 28 |
| <i>Water Heater Measures</i> | | | | | | | | | | |
| Water Heater Turndown | 11 | 7 | 11 | 11 | 11 | 9 | 10 | 4 | 3 | 3 |
| Water Heater Wrap | 18 | 20 | 26 | 27 | 21 | 14 | 15 | 12 | 10 | 13 |
| Pipe Wrap | 24 | 27 | 41 | 49 | 43 | 40 | 44 | 38 | 40 | 46 |
| Shower Head | 12 | 16 | 22 | 23 | 20 | 18 | 19 | 18 | 14 | 23 |
| Faucet Aerator | 23 | 30 | 41 | 43 | 33 | 30 | 31 | 27 | 27 | 32 |
| Water Heater Repair/Repl. | 11 | 5 | 10 | 23 | 20 | 14 | 11 | 14 | 20 | 18 |
| <i>Lighting Measures</i> | | | | | | | | | | |
| Capsylite Bulbs | 15 | 16 | 18 | 15 | 14 | 13 | 11 | 7 | 8 | 8 |
| Compact Fluorescent Bulbs | 13 | 25 | 24 | 28 | 24 | 28 | 31 | 39 | 47 | 55 |
| <i>Water Bed Mattress Pads</i> | | | | | | | | | | |
| | Na | Na | 2 | 5 | 4 | 3 | 1 | 2 | 2 | 2 |
| <i>Refrigeration Measures</i> | | | | | | | | | | |
| Refrigerator Removal | Na | Na | Na | Na | Na | Na | Na | Na | Na | 1 |
| Refrigerator Exchange | Na | Na | Na | Na | Na | Na | Na | Na | Na | 9 |
| Freezer Removal | Na | Na | Na | Na | Na | Na | Na | Na | Na | 0 |
| Freezer Exchange | Na | Na | Na | Na | Na | Na | Na | Na | Na | 3 |
| <i>Health and Safety (other than heating & water heating measures listed above)</i> | | | | | | | | | | |
| Asbestos Abatement | Na | Na | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| CO Detector | Na | Na | Na | 1 | 4 | 15 | 22 | 24 | 29 | 33 |
| Smoke Detector | Na | Na | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 0 |
| Exhaust Ventilation | Na | Na | 1 | 2 | 26 | 36 | 36 | 35 | 38 | 57 |
| Fuses | Na | Na | Na | Na | Na | 0 | 1 | 0 | 0 | 0 |
| <i>Support and Evaluator/Inspector Labor</i> | | | | | | | | | | |
| Evaluator Labor | Na | Na | 52 | 60 | 69 | 38 | 44 | 82 | 91 | 94 |
| Inspector Labor | Na | Na | 39 | 57 | 64 | 33 | 50 | 74 | 84 | 94 |
| Evaluator/Inspector Labor | Na | Na | Na | Na | Na | Na | Na | Na | Na | 1 |
| Support | Na | Na | 95 | 97 | 97 | 98 | 98 | 98 | 98 | 100 |
| <i>Other</i> | | | | | | | | | | |
| Repairs | 82 | 83 | 76 | 80 | 80 | 75 | 73 | 68 | 70 | 80 |
| Consumables | 43 | 41 | 31 | 32 | 36 | 31 | 36 | 28 | 27 | 20 |
| Unknown | 1 | 12 | 11 | 0 | 0 | 0 | 0 | 5 | 3 | 1 |

Note: Refrigeration measures were phased in beginning the second half of 2001.

Table 2.1 shows the average installation rates of all measures, from 1992 through 2001. Installation rates for most measures increased from CY 2000 levels. Some of the most notable increases of energy efficiency measures were for space heating efficiency measures, including wall/kneewall insulation (63% vs. 53% in CY 2000), ceiling/attic insulation (82% vs. 74% in CY 2000), infiltration reduction (97% vs. 82% in CY 2000), and bandjoist insulation (43% vs. 35% in CY 2000).

Overall, heating system replacement rates increased from 39% to 44%. High-efficiency heating system installation frequencies more than doubled, from 8% to 18%, but these gains were partially offset by a reduction in the installation frequencies of standard-efficiency heating systems, which dropped from 31% to 26%.

The installation frequencies for most water heating efficiency measures increased with the exception of water heater tank temperature turndown which remained unchanged at 3%. The most notable increase was for installation rates of efficient showerheads, which increased from 14% to 23% in CY 2001.

The agencies continue to expand the installation of compact fluorescent bulbs, which now reach 55% of all households treated by the program. Capsylite bulb installation rates have levelled off at 8% of households after declining from most of the last eight years.

Table 2.2 shows the installation rates for each of the measures not specifically addressed by the NEAT audit as used in Iowa. These measures include water heater, lighting, waterbed mattress pads, and refrigeration measures. Statewide, client bill savings averaged \$40.77, more than double the levels of CY 2000. Currently these measures account for about 13% of total client bill savings. The jump in client savings is largely attributable to phasing in refrigeration measures in the second half 2001. By the end of CY 2001, fourteen agencies were installing these measures. We'd expect additional increases in savings from these measures in 2002 as more agencies begin providing these measures.

The highest average bill savings were attained by Polk County (\$77.87 per household) and SEIDA (\$71.83 per household). This is in stark contrast to savings for clients served by the City of Des Moines and North Iowa, where client households received only \$4.90 and \$2.17 in annual average fuel bill savings for these measures – clearly indicating lost opportunities for client savings in the households served by these two agencies. As an example of the potential for additional savings, one can turn to North East Iowa, where clients average \$48.62 per household in 2001 compared with only \$2.66 the previous year.

Table 2.2 Installation rates of non-space-conditioning measures

| Agency | Water Heater Measures | | | | | Lighting | | Waterbed Mattress Pad | Refrigeration | | | | Average First Year Bill Savings |
|--------------------|-----------------------|--------------|-----------------|--------------------------|---------------|-----------------|------------------|-----------------------------|-------------------------|--------------------------|------------------|-------------------|--|
| | Tank Wrap | Pipe Wrap | Shower- head | Eff Faucet Aerator | Temp Reduc | Cap- sylvite | Compact Fluor | | Ex- change Refrig | Ex- change Freezer | Remove Refrig | Remove Freezer | |
| Comm Opp | 0% | 96% | 0% | 1% | 1% | 0% | 43% | 0% | 35% | 17% | 1% | 0% | \$64.45 |
| HACAP | 0% | 1% | 13% | 15% | 0% | 0% | 82% | 1% | 13% | 7% | 0% | 0% | \$53.29 |
| TRAIN | 64% | 72% | 54% | 64% | 29% | 0% | 77% | 5% | 0% | 0% | 0% | 0% | \$44.44 |
| Matura | 0% | 0% | 9% | 0% | 0% | 0% | 91% | 0% | 21% | 2% | 2% | 0% | \$66.38 |
| MICA | 0% | 80% | 38% | 71% | 0% | 0% | 94% | 0% | 0% | 0% | 0% | 0% | \$43.68 |
| Mid-Sioux | 11% | 8% | 9% | 0% | 0% | 0% | 92% | 0% | 5% | 0% | 0% | 0% | \$39.97 |
| City of Des Moines | 5% | 43% | 8% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | \$4.90 |
| North Iowa | 2% | 1% | 3% | 0% | 0% | 9% | 6% | 0% | 0% | 0% | 0% | 0% | \$2.17 |
| NE Iowa | 9% | 33% | 22% | 32% | 0% | 0% | 43% | 0% | 12% | 8% | 4% | 2% | \$48.62 |
| New View | 12% | 11% | 4% | 2% | 0% | 2% | 90% | 0% | 17% | 3% | 1% | 0% | \$44.37 |
| Threshold | 12% | 71% | 1% | 0% | 0% | 0% | 82% | 1% | 0% | 0% | 0% | 0% | \$22.41 |
| SCICAP | 20% | 50% | 30% | 4% | 0% | 2% | 78% | 0% | 9% | 0% | 0% | 0% | \$36.76 |
| SE Iowa | 0% | 0% | 15% | 0% | 0% | 0% | 83% | 5% | 20% | 6% | 0% | 0% | \$44.42 |
| SIEDA | 0% | 94% | 59% | 96% | 0% | 0% | 84% | 10% | 22% | 11% | 0% | 0% | \$71.83 |
| Upper Des Moines | 0% | 30% | 4% | 33% | 0% | 0% | 32% | 0% | 3% | 0% | 0% | 0% | \$15.22 |
| West Central | 23% | 77% | 42% | 88% | 3% | 13% | 10% | 2% | 6% | 3% | 0% | 0% | \$29.41 |
| Woodbury | 58% | 84% | 27% | 2% | 0% | 51% | 47% | 1% | 16% | 0% | 0% | 0% | \$45.12 |
| Polk County | 0% | 95% | 39% | 83% | 0% | 80% | 0% | 0% | 14% | 4% | 14% | 5% | \$77.87 |
| State | 13% | 46% | 23% | 33% | 3% | 8% | 55% | 2% | 9% | 3% | 1% | 0% | \$40.77 |

Table 2.3 shows that average installed costs for each measure (average costs are computed for households that received the specific measures, not across all households treated by the program.)

The average installed costs of specific measures tended to increase by a few percent from costs in 2000.

The average measure costs also increased by a few percent for all other measures – taken together, the increased installation rates, the addition of refrigeration measures, and higher measure costs drove average household installation costs to \$4,225 in CY2001.

Table 2.3 Average installed costs per house

| Measure | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>Insulation and Infiltration Reduction Measures</i> | | | | | | | | | | |
| Wall Insulation | 449 | 537 | 668 | 805 | 807 | 819 | 826 | 846 | 831 | 871 |
| Ceiling Insulation | 338 | 370 | 438 | 516 | 522 | 543 | 558 | 573 | 592 | 631 |
| Infiltration Reduction | 264 | 264 | 285 | 317 | 337 | 310 | 248 | 264 | 281 | 294 |
| Floor/Crawlspace Insulation | 127 | 150 | 274 | 332 | 365 | 315 | 350 | 408 | 407 | 421 |
| Bandjoist Insulation | 45 | 55 | 63 | 66 | 68 | 71 | 75 | 79 | 77 | 82 |
| Damming Material | Na | Na | Na | Na | Na | 29 | 35 | 34 | 28 | 28 |
| Unspecified Insulation | 211 | 165 | 151 | 10 | 142 | 121 | 129 | 143 | 140 | 144 |
| <i>Heating System Measures</i> | | | | | | | | | | |
| Htg. Sys. Replacement | 1,549 | 1,894 | 1,973 | 1,840 | 1,720 | 1,665 | 1,739 | 1,809 | 1,815 | 2,470 |
| High Eff Htg Sys Repl | Na | Na | Na | 1,706 | 2,213 | 1,929 | 1,830 | 2,059 | 1,959 | 2,063 |
| Std/Unspec Eff Htg Sys Repl | Na | Na | Na | 2,418 | 1,641 | 1,604 | 1,712 | 1,751 | 1,781 | 1,727 |
| Htg. Sys. Tune and Clean | 65 | 78 | 88 | 86 | 76 | 73 | 77 | 80 | 75 | 77 |
| Heating System Safety Check | Na | Na | 101 | 74 | 46 | 50 | 53 | 119 | 144 | 266 |
| Htg. Sys. Other | 130 | 161 | 172 | 182 | 210 | 229 | 248 | 326 | 251 | 266 |
| Duct Insulation | Na | Na | 90 | 107 | 103 | 105 | 125 | 74 | 100 | 76 |
| Duct Sealing | Na | Na | 219 | 165 | 157 | 149 | 126 | 156 | 142 | 153 |
| <i>Water Heater Measures</i> | | | | | | | | | | |
| Water Heater Turndown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Water Heater Wrap | 16 | 19 | 22 | 20 | 18 | 20 | 19 | 19 | 18 | 18 |
| Pipe Wrap | 6 | 5 | 7 | 8 | 6 | 6 | 6 | 7 | 6 | 7 |
| Shower Head | 6 | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 29 |
| Faucet Aerator | 4 | 4 | 8 | 7 | 5 | 6 | 5 | 5 | 5 | 5 |
| Water Heater Repair/Repl. | 355 | 360 | 162 | 170 | 148 | 224 | 252 | 265 | 240 | 328 |
| <i>Lighting Measures</i> | | | | | | | | | | |
| Capsylite Bulbs | 23 | 21 | 22 | 24 | 23 | 24 | 25 | 22 | 22 | 25 |
| Compact Fluorescent Bulbs | 15 | 20 | 23 | 27 | 41 | 47 | 70 | 66 | 58 | 62 |
| <i>Water Bed Mattress Pads</i> | | | | | | | | | | |
| | Na | Na | 23 | 23 | 18 | 21 | 23 | 19 | 14 | 17 |
| <i>Refrigeration Measures</i> | | | | | | | | | | |
| Refrigerator Removal | Na | Na | Na | Na | Na | Na | Na | Na | Na | 43 |
| Refrigerator Exchange | Na | Na | Na | Na | Na | Na | Na | Na | Na | 589 |
| Freezer Removal | Na | Na | Na | Na | Na | Na | Na | Na | Na | 40 |
| Freezer Exchange | Na | Na | Na | Na | Na | Na | Na | Na | Na | 410 |
| <i>Health and Safety (other than heating & water heating measures listed above)</i> | | | | | | | | | | |
| Asbestos Abatement | Na | Na | 307 | 1,139 | 729 | 500 | 529 | 648 | 0 | 0 |
| CO Detector | Na | Na | Na | 44 | 60 | 60 | 56 | 55 | 51 | 50 |
| Smoke Detector | Na | Na | 110 | 20 | 38 | 27 | 31 | 33 | 25 | 0 |
| Exhaust Ventilation | Na | Na | 42 | 53 | 66 | 65 | 74 | 73 | 79 | 187 |
| Fuses | Na | Na | Na | Na | Na | 21 | 35 | 35 | 28 | 0 |
| <i>Support and Evaluator/Inspector Labor</i> | | | | | | | | | | |
| Evaluator Labor | Na | Na | 111 | 100 | 84 | 88 | 114 | 105 | 111 | 132 |
| Inspector Labor | Na | Na | 70 | 89 | 78 | 72 | 104 | 91 | 99 | 120 |
| Evaluator/Inspector Labor | Na | Na | Na | Na | Na | Na | Na | Na | Na | 440 |
| Support | Na | Na | 501 | 580 | 606 | 672 | 709 | 690 | 699 | 754 |
| <i>Other</i> | | | | | | | | | | |
| Repairs | 235 | 244 | 319 | 381 | 342 | 287 | 298 | 292 | 279 | 296 |
| Consumables | 29 | 31 | 42 | 25 | 29 | 23 | 27 | 13 | 15 | 14 |
| Unknown | 121 | 34 | 122 | 570 | 23 | 85 | 1976 | 989 | 578 | 541 |

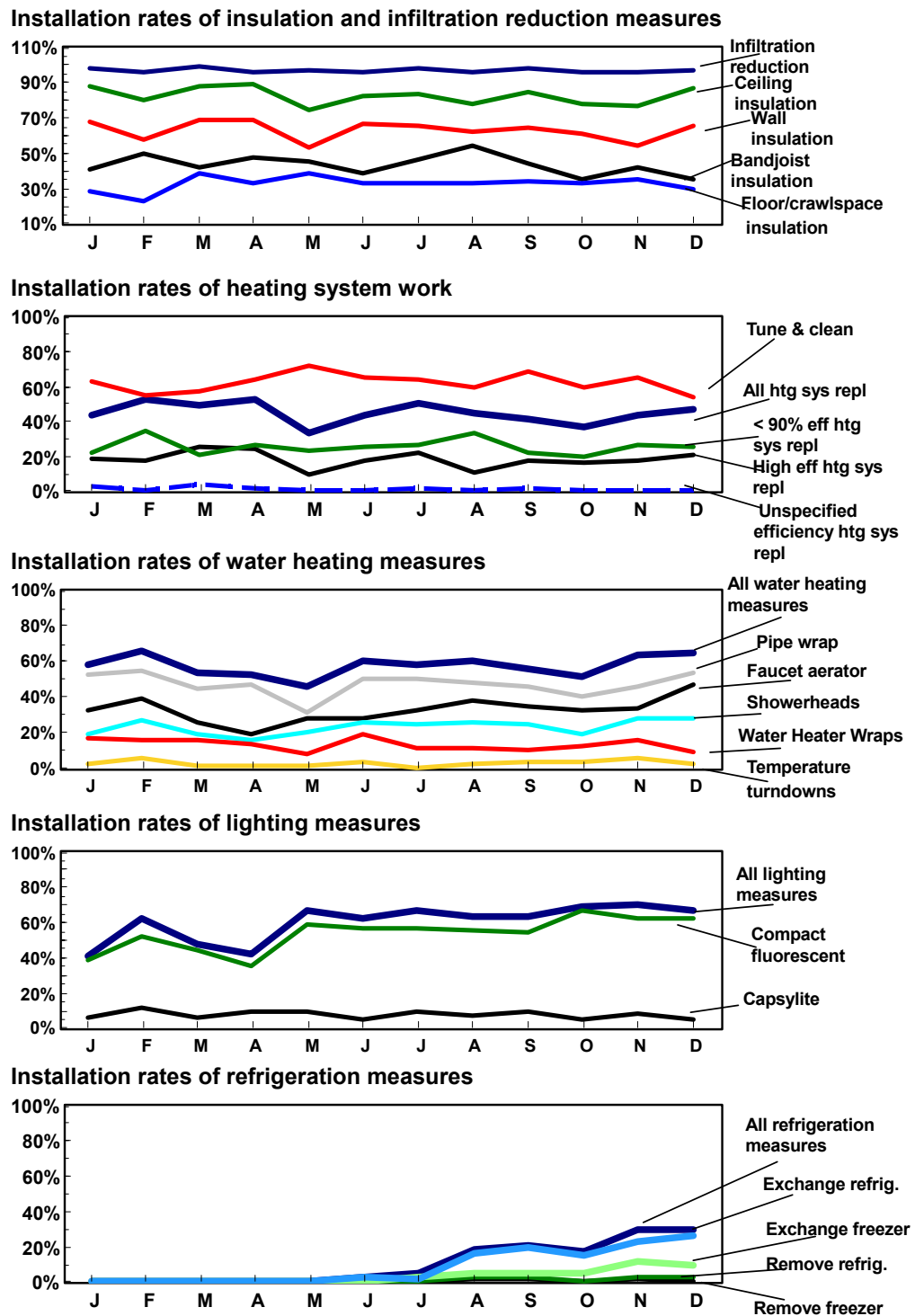


Figure 2.13. Installation rates by month.

Figure 2.13 shows the month-to-month installation rates for major energy measures and for lighting and water heating measures. Overall, measure installation rates were generally steady throughout the year, although a slight dip in insulation and heating system measures occurred during the April-May time period. Refrigeration measure installation rates began in the middle of the year and steadily increased, leveling off toward the end of the year. By the end of the December 2001, fourteen agencies were installing refrigeration measures.

Page left intentionally blank to allow side-by-side comparison of state and utility expenditures for insulation and furnace replacements shown in Figures 14-21.

Major Measure Costs and Installation Rates by Agency

Figures 2.14-2.21 show the agency-specific average costs for ceiling, wall, and floor/crawlspace insulation and furnace replacements for the overall program and for utility-funded measures only. These costs represent the total expenditures for these measures averaged over the number of households that received the measure (as opposed to an average across all households that were treated by the agency).

Statewide average costs for ceiling insulation were \$630 in 2001. This was up slightly from \$601 in 2000. SCICAP had the highest average costs for ceiling insulation, at \$982 per house. Community Opportunity was the only other agency with average costs exceeding \$900, at \$932. The average expenditures for MATURA were lowest at \$521 per house, and NE Iowa at \$533 per house. TRAIN, North Iowa, and West Central all showed average expenditures of \$537 for ceiling insulation.

The average of utility-funded ceiling insulation measures were at about the same levels as the overall state: on the high end, SCICAP averaged \$964 per house, and at the lower average costs were MATURA (\$305), NE Iowa (\$336), and New View (\$366).

The overall average expenditures for wall insulation was \$871 in 2001 for the state, up from \$844 in 2000. Community Opportunity had the highest average expenditure, at \$1,385, essentially the same level as the previous year. MICA, Mid-Sioux, City of Des Moines, Upper Des Moines, and Polk County all showed average expenditures exceeding \$1,000 per house. Matura (\$493) and SIEDA (\$368) averaged less than \$500 per house.

Statewide, the average expenditures for utility-funded wall insulation was essentially unchanged, from \$717 in 2000 to \$720 in 2001. Community Opportunity and TRAIN spent the most, at \$1,008 and \$1,000 respectively. At the low end, MATURA both and SIEDA averaged \$271 in utility-funded wall insulation expenditures in 2001.

Statewide, the cost for floor/crawlspace insulation averaged \$421, up from \$413 in 2000. Woodbury averaged \$982 per household, followed by HACAP at \$721. North Iowa (\$181) and West Central (\$140) spent the least on average. Mid-Sioux averaged the greatest expenditures of utility funds, at \$829 per household, while New View (\$122) and West Central (\$134) spent the least.

Statewide average furnace replacement costs increased slightly from \$1,825 in 2000 to \$1,862 in 2000 (Figure 2.20). On average, NE Iowa and MATURA spent the most, at \$2,367 and \$2,311 respectively: HACAP (\$1,442), City of Des Moines (\$1,451), SCICAP (\$1,488) spent the least.

Utilities began funding furnace replacements in late 2000. All agencies except SCICAP, SIEDA, and Polk County reported utility-funded furnace replacements for households with weatherization completed during that year. Figure 2.21 shows the average utility funding for replacement heating systems. The average expenditure of utility funds was \$1,813.

Average Cost of Ceiling Insulation -- Dollars per Treated House

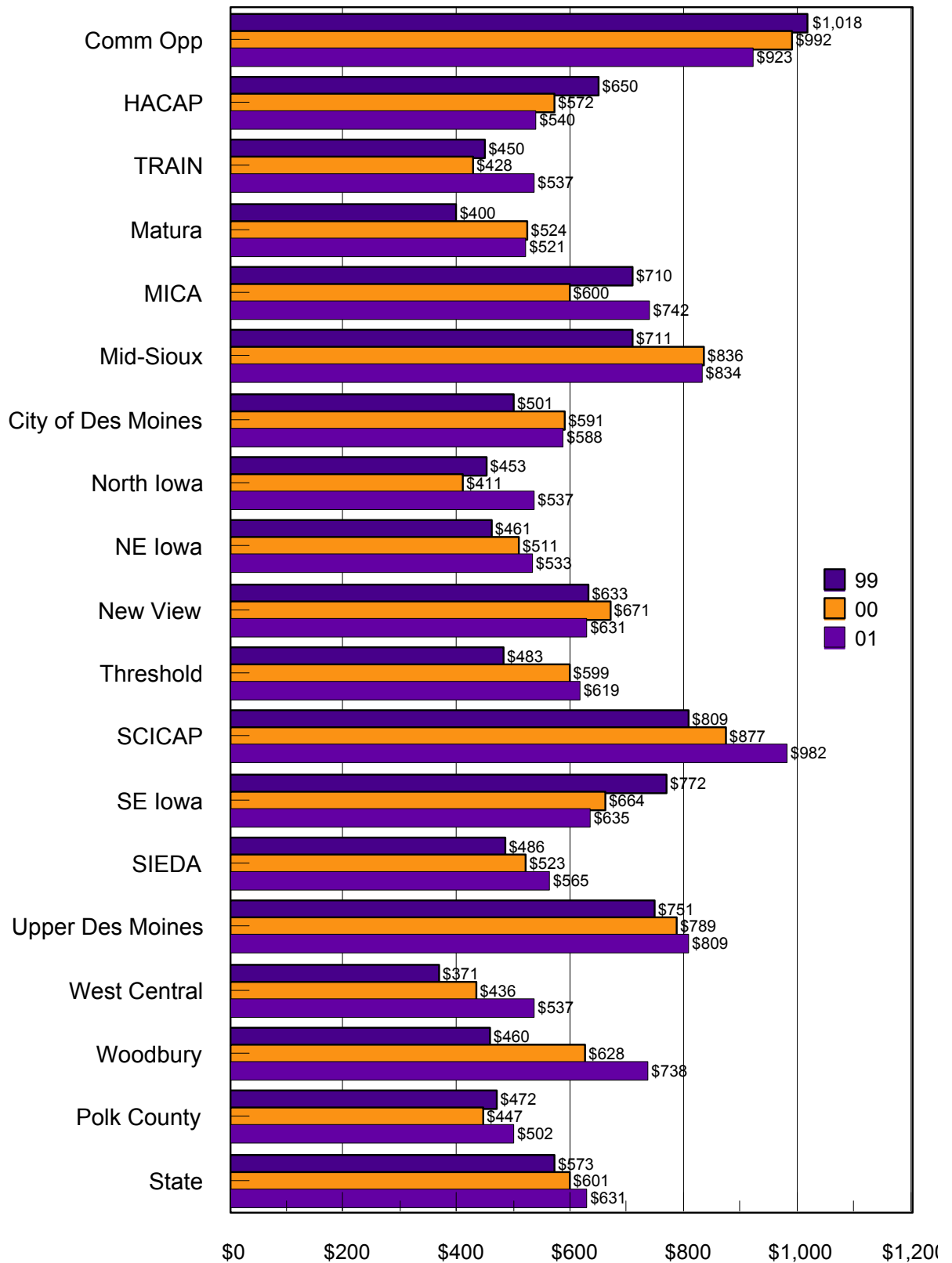


Figure 2.14. Average ceiling insulation costs by agency.

Average Cost of Ceiling Insulation -- Utility Dollars per Treated House

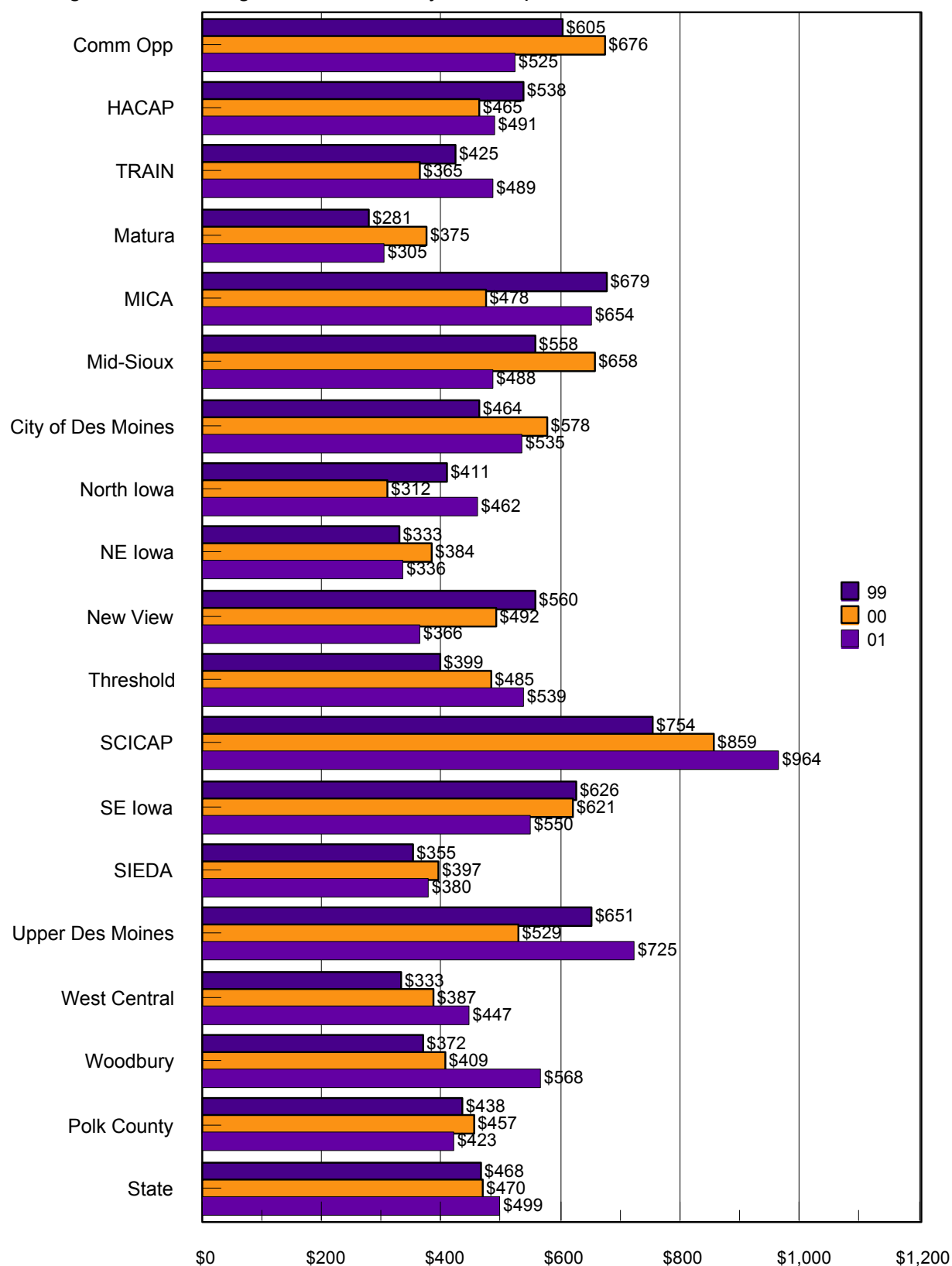


Figure 2.15. Average costs of utility-funded ceiling insulation, by agency.

Average Cost of Wall Insulation -- Dollars per Treated House

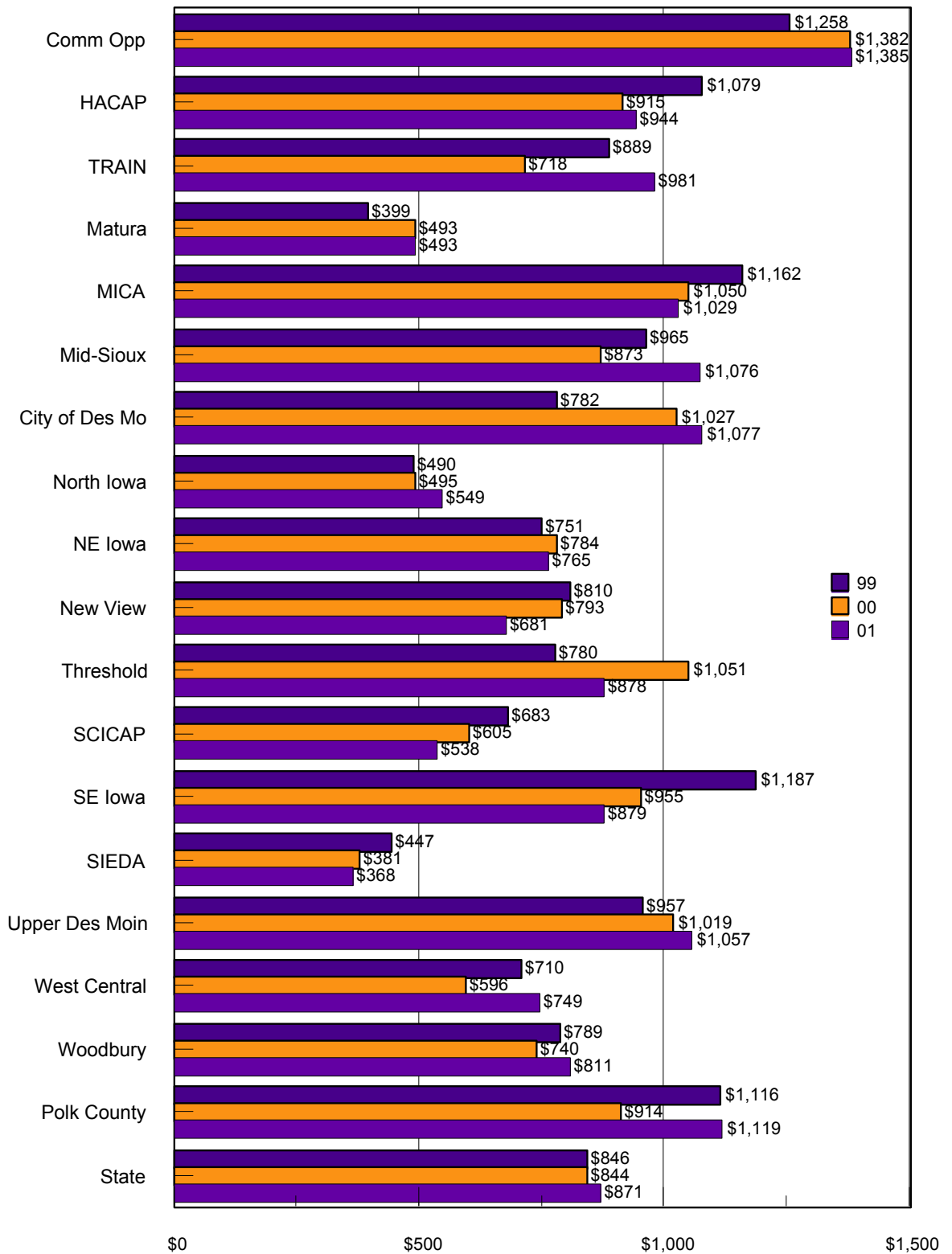


Figure 2.16. Average cost of wall insulation, by agency.

Average Cost of Wall Insulation -- Utility Dollars per Treated House

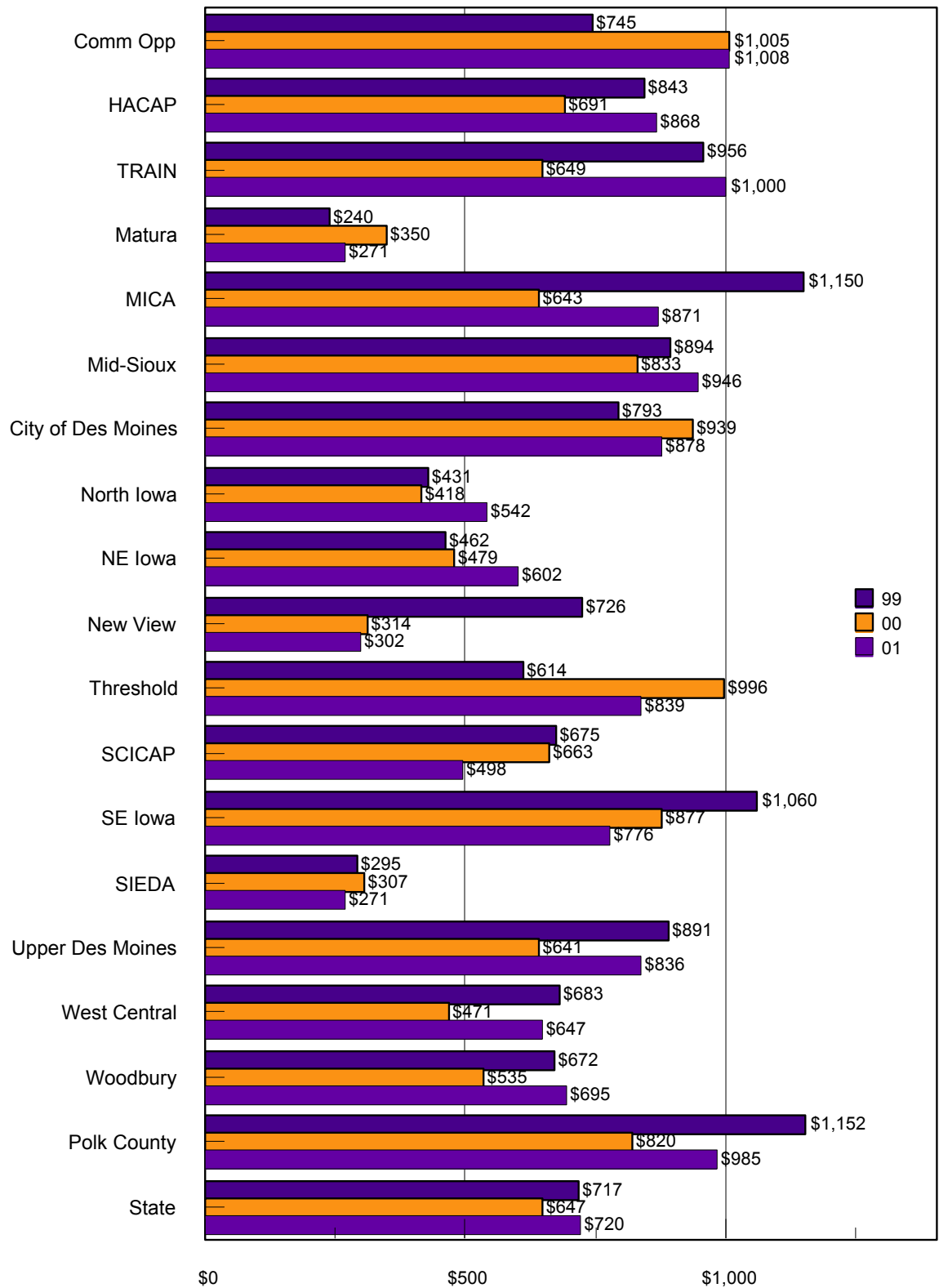


Figure 2.17. Average cost of utility-funded wall insulation, by agency.

Average Cost of Floor/Crawlspace Insulation -- Dollars per Treated House

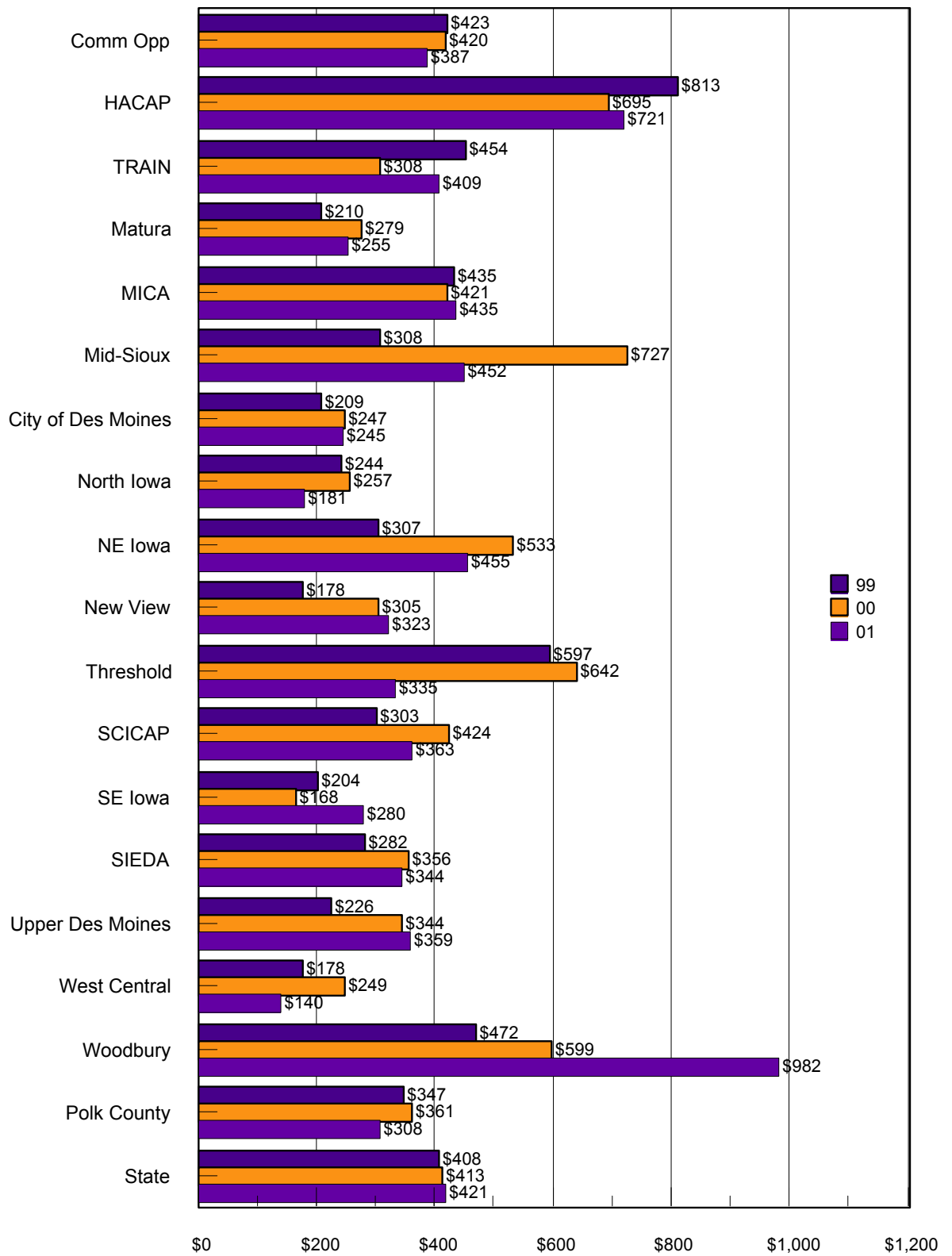


Figure 2.18. Average cost of floor/crawlspace insulation, by agency.

Average Cost of Floor/Crawlspace Insulation --Utility Dollars per Treated House

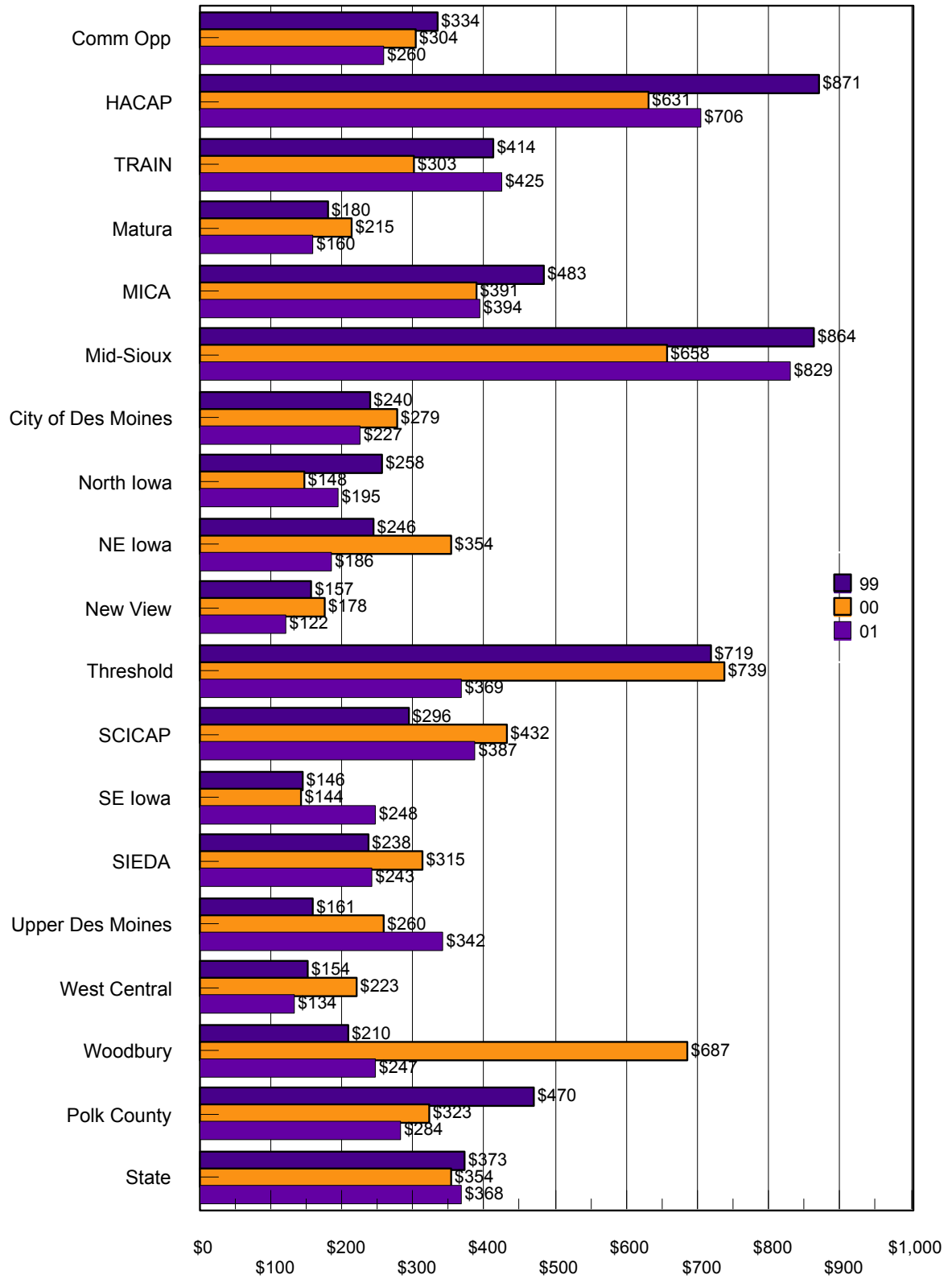


Figure 2.19. Average cost of utility-funded floor/crawlspace insulation, by agency.

Average Furnace Replacement Costs --Dollars per Treated House

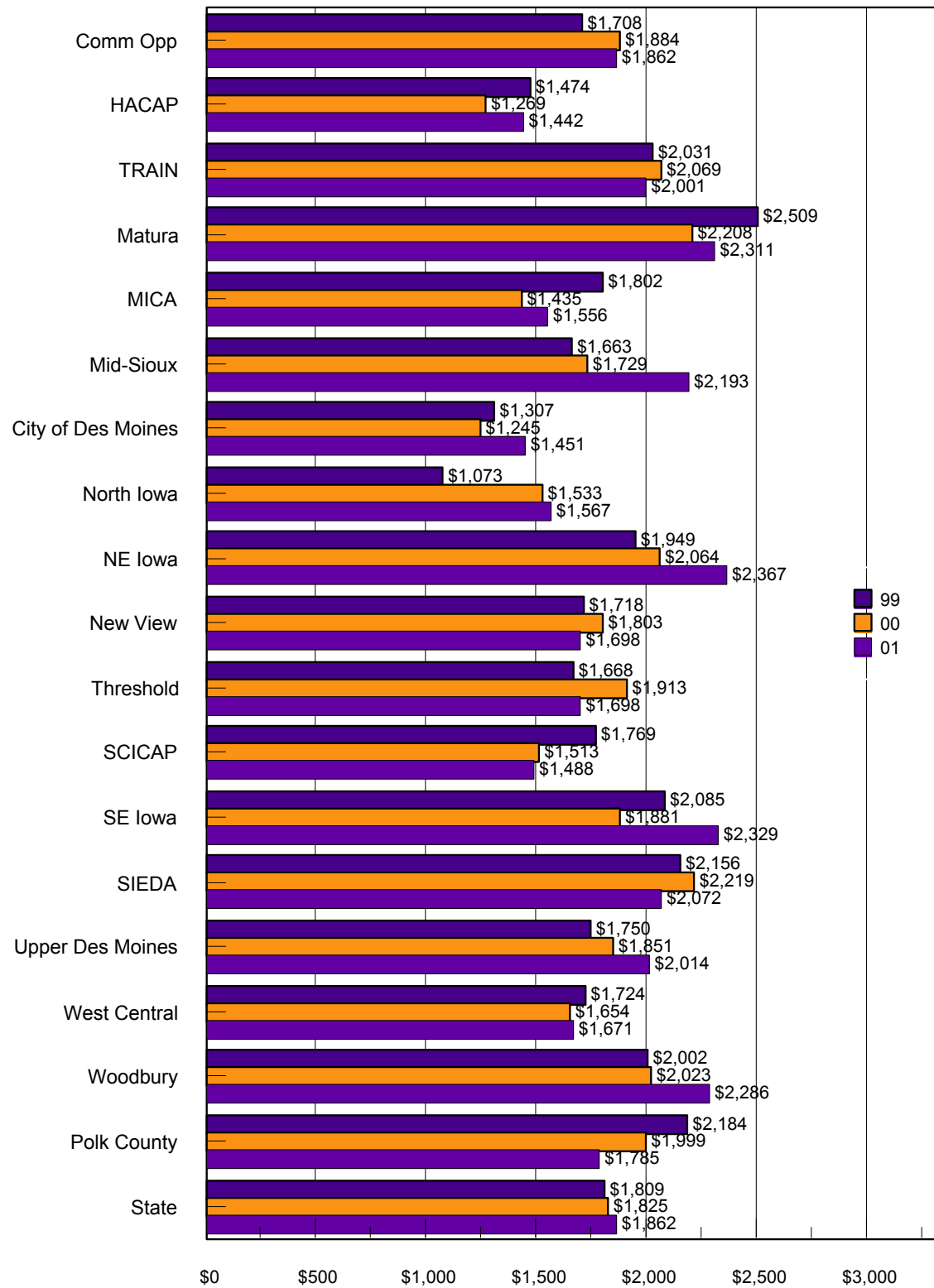


Figure 2.20. Average cost of furnace replacements, by agency.

Average Furnace Replacement Costs --Utility Dollars per Treated House

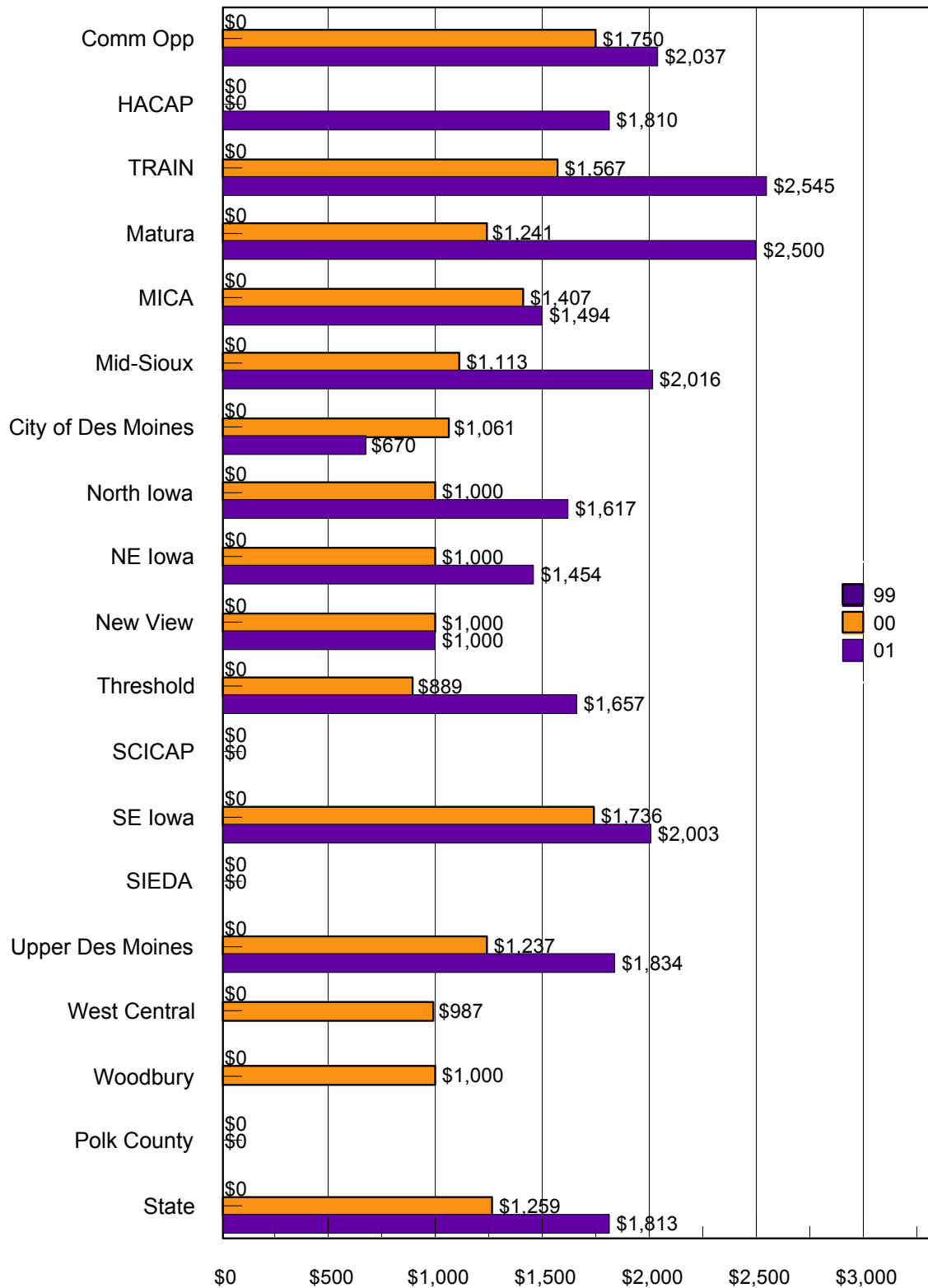


Figure 2.21. Average cost of utility-funded furnace replacements, by agency.

3. FUEL CONSUMPTION ANALYSIS AND ASSESSMENT OF AGENCY-LEVEL SAVINGS ADJUSTMENT FACTORS

The 1997 WAP report prompted a change in the methodology for estimating program savings. That study developed information pertaining to the potential error from summarizing agency-level results from the SLICE-algorithm estimates, which were designed for state-level and utility-level reporting. The revised methodology incorporates agency-level adjustment factors in the estimates of savings. The adjustment factors are developed annually using weather-normalization analysis of client fuel consumption histories.

Study Sample

For this study, we developed adjustment factors for each agency using observed savings from a PRISM analysis of natural gas clients with dates of completion from April 1, 2000 through April 1, 2001. These adjustment factors were applied to estimated natural gas, propane, and fuel oil heating measures, and to natural gas and propane water heater measures.

We used a comparison group to adjust for non-program factors that could affect energy consumption. We assessed savings for a group of clients with similar characteristics to our treatment group, and netted the change in consumption from this comparison group from the WAP client group savings. In order to assess a change in consumption for the comparison group, we established a pseudo-treatment period for each comparison group household by assigning the same period as that of a randomly selected household from the treatment group.

The comparison group consisted of all LIHEAP clients who were natural gas customers of the SLICE utilities and who applied for energy assistance from October, 2000 through March, 2001. Our LIHEAP client group had lower average annual consumption fuel consumption than the WAP client group: to fully account for non-program influences on energy consumption, we scaled the comparison group change for each agency by the ratio of the average energy consumption of the treatment to comparison groups during the pre-treatment period (or pseudo-treatment period in the case of the comparison group).

Fuel Consumption Analysis Methodology

We assessed impacts for changes in natural gas consumption using the same method that we reported in detail in previous studies. Pre- and post-weatherization gas consumption was weather-normalized using PRISM. We used the same ten weather zones that we used in previous studies (Figure 3.1).

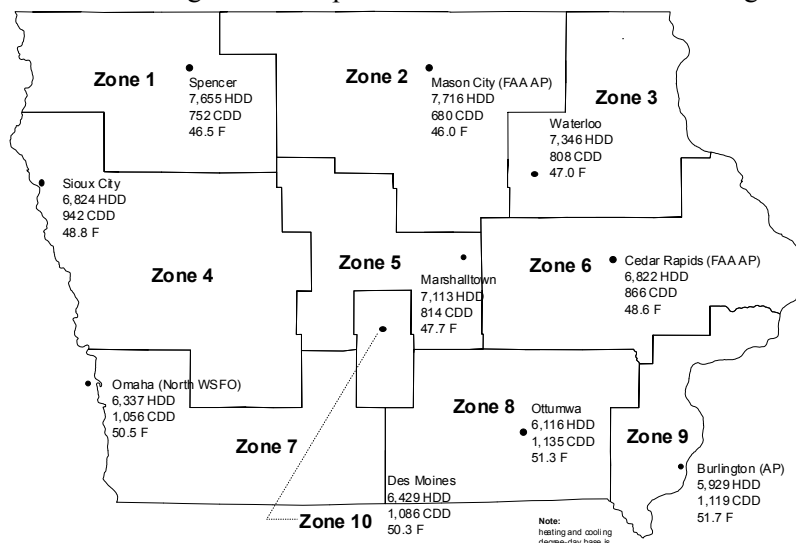


Figure 3.1 Weather zones used for the PRISM

Table 3.1 Fuel Consumption Analysis Results

| Agency | n (with gas heating source) | Treatment Group | | | | | Comparison Group | | | | | Average | | | | | | | |
|-----------------------|--------------------------------------|-----------------|-------------------------------|-----------|---------------------|-----------|------------------|-------------------------------|-----------|---------------------|-----------|---------------------------------|-----------|----------------------------------|-----------|---------------------|--------------|--------------------|-------------|
| | | n | Baseline Cons. (therms) | 90% CI | Savings (therms) | 90% CI | n | Baseline Cons. (therms) | 90% CI | Savings (therms) | 90% CI | Adjusted Savings (therms) | 90 % | Estimated Savings (therms) | 90% CI | Realization Rate | 90% CI | Percent Savings | 90% CI |
| Community Opportunity | 65 | 26 | 1,461 | 215 | 525 | 160 | 896 | 1,058 | 58 | 74 | 34 | 444 | 142 | 394 | 70 | 1.127 | 0.31 | 30.4% | 6.5% |
| HACAP | 209 | 24 | 931 | 135 | 211 | 70 | 1,642 | 917 | 21 | 21 | 13 | 207 | 67 | 255 | 68 | 0.812 | 0.241 | 22.2% | 6.0% |
| TRAIN | 176 | 26 | 1,063 | 142 | 312 | 109 | 2,029 | 982 | 17 | 49 | 11 | 272 | 96 | 261 | 50 | 1.042 | 0.297 | 25.6% | 6.8% |
| Matura | 26 | 12 | 1,428 | 246 | 429 | 112 | 383 | 1,016 | 42 | 25 | 27 | 383 | 97 | 559 | 135 | 0.685 | 0.123 | 26.8% | 4.7% |
| MICA | 99 | 65 | 1,271 | 86 | 419 | 73 | 1,019 | 1,013 | 32 | 41 | 24 | 395 | 68 | 359 | 48 | 1.101 | 0.127 | 31.1% | 4.1% |
| Mid-Sioux | 55 | 29 | 1,242 | 109 | 306 | 65 | 447 | 944 | 28 | 16 | 11 | 299 | 66 | 295 | 48 | 1.015 | 0.152 | 24.1% | 4.4% |
| City of Des Moines | 132 | 77 | 1,272 | 118 | 349 | 68 | 2,040 | 1,027 | 16 | 27 | 12 | 307 | 66 | 390 | 55 | 0.786 | 0.141 | 24.1% | 4.5% |
| North Iowa | 104 | 55 | 1,277 | 100 | 309 | 57 | 1,105 | 1,016 | 21 | 49 | 13 | 254 | 51 | 246 | 32 | 1.033 | 0.172 | 19.9% | 3.2% |
| NE Iowa | 63 | 43 | 1,877 | 484 | 569 | 127 | 1,283 | 1,227 | 83 | 192 | 81 | 483 | 107 | 310 | 58 | 1.555 | 0.324 | 25.7% | 6.0% |
| New View | 90 | 37 | 1,462 | 236 | 292 | 190 | 1,702 | 1,121 | 40 | 154 | 34 | 232 | 170 | 307 | 51 | 0.756 | 0.592 | 15.9% | 9.9% |
| Threshold | 64 | 60 | 1,240 | 136 | 375 | 84 | 1,315 | 1,064 | 22 | 44 | 12 | 331 | 77 | 308 | 49 | 1.075 | 0.136 | 26.7% | 4.0% |
| Threshold | 41 | 29 | 1,454 | 154 | 478 | 107 | 545 | 913 | 29 | 33 | 12 | 430 | 100 | 418 | 67 | 1.030 | 0.150 | 29.6% | 5.5% |
| SE Iowa | 77 | 4 | 1,289 | 273 | 433 | 194 | 938 | 987 | 24 | 47 | 11 | 383 | 136 | 382 | 230 | 1.003 | 0.892 | 29.7% | 6.2% |
| SIEDA | 93 | 54 | 962 | 89 | 222 | 64 | 1,171 | 943 | 20 | 47 | 9 | 179 | 63 | 212 | 27 | 0.843 | 0.256 | 18.6% | 5.6% |
| Upper Des Moines | 104 | 62 | 1,277 | 139 | 410 | 115 | 1,940 | 1,087 | 22 | 42 | 17 | 391 | 113 | 381 | 49 | 1.025 | 0.290 | 30.6% | 6.0% |
| West Central | 147 | 85 | 1,136 | 77 | 274 | 45 | 2,655 | 1,056 | 30 | 83 | 24 | 235 | 43 | 230 | 28 | 1.020 | 0.158 | 20.7% | 3.1% |
| Woodbury | 75 | 45 | 1,332 | 119 | 434 | 89 | 927 | 971 | 23 | 34 | 9 | 390 | 83 | 463 | 63 | 0.841 | 0.119 | 29.3% | 4.5% |
| Polk County | 86 | 3,059 | 1,126 | 111 | 277 | 66 | 49 | 1,022 | 15 | 32 | 11 | 245 | 62 | 216 | 38 | 1.136 | 0.213 | 21.8% | 4.2% |
| Overall | 1,706 | 782 | 1,268 | 42 | 357 | 23 | 23,269 | 1,028 | 8 | 63 | 7 | 316 | 21 | 317 | 14 | 0.995 | 0.057 | 24.9% | 1.3% |

We used fuel histories immediately preceding and following the treatment period, requiring no less than eight actual readings in each of the pre and post periods, and no more than 390 days total consumption in either pre or post periods. In addition, we required a minimum of 2,000 degree days in the typical year for each of the pre and post weatherization periods.

In order to maximize our sample, we avoided major screens on other parameters. In general, we had good sample sizes for the agencies, with the exceptions being SE Iowa and MATURA. For these two agencies, the realization rates found in this analysis essentially put the agencies in line with overall realization rates for other agencies, and we opted to use them directly.

Of 1,706 client households with gas heating, 782 (46%) and 23,269 comparison group households had sufficient fuel consumption histories to include in our analysis

We summarized our results in Table 3.1.

Results

The realization rate is defined as the ratio of observed savings to estimated savings. By adjusting our estimated savings for natural gas with these realization rates, we help assure that savings reported for each agency are approximately correct. In last year's study, we found that high uncertainty in agency-specific realization rates were in part due to inconsistencies in how an agency reported quantities of insulation and square-footage insulated. These are important parameters for estimating savings for wall and ceiling insulation and measures should be taken to assure that they are recorded consistently across all agencies. We implemented routines to more fully correct for inconstant reporting of insulation (e.g., bags vs. pounds) and corroborated square footage with house volume to reduce the uncertainty in estimated savings for any given agency.

We found an overall realization rate of 99.5% which indicates a slight overestimate of savings on a statewide basis. Overall, the program achieved 24.9% savings $\pm 1.3\%$ at 90% confidence. This compares to last year's results of 22.9% savings $\pm 1.4\%$ at 90% confidence. Adjusted savings averaged 316 therms per household for our study group. The agency-specific realization rates ranged from 68% ($\pm 12\%$) to 155% ($\pm 32\%$).

In earlier studies we emphasized the importance between savings and pre-weatherization energy consumption: in general, higher pre-weatherization consumption yields greater savings. Clients are prioritized for weatherization according to pre-weatherization consumption: consequently we'd expect that agencies that weatherize households that have higher average pre-weatherization consumption compared to the general LIHEAP population will also have the greater savings.

We plotted the relationship between savings and the difference in average energy consumption between the treatment and comparison groups in Figure 3.2. The regression line was calculated using the data for which we had sufficient households to assess agency-specific impacts (these are the filled circles).

The chart shows the dramatic savings that can be attained by targeting clients with the highest energy consumption. The average energy consumption for weatherization clients in Woodbury, HACAP, and West Central was actually less than the average consumption of the overall LIHEAP population. This contrasts sharply with clients weatherized by SE Iowa, where the weatherization client energy consumption exceeded the LIHEAP population by more than 750 therms per year. Eight agencies including MICA, SCICAP, MATURA, Mid-Sioux, New View, City of Des Moines, Community Opportunity, and SE Iowa showed a greater difference between

treatment and comparison group energy consumption than the statewide average. Generally speaking, these agencies also attained the greatest savings (New View is the clear exception).

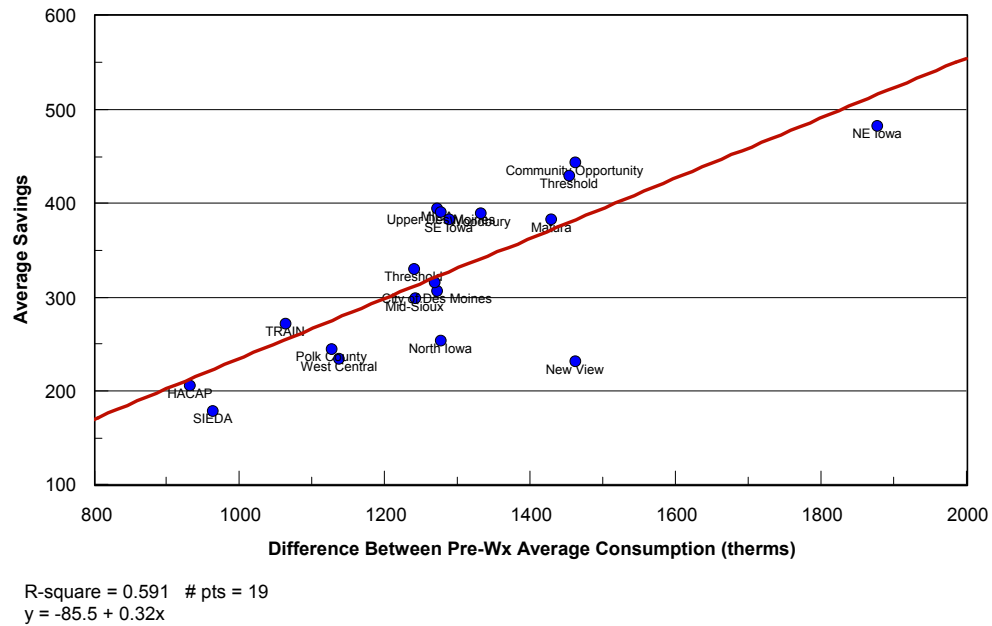


Figure 3.2 Average savings as a function of the difference between treatment and comparison group energy consumption

These findings affirm our previous analysis that concluded targeting the highest usage households increases average household savings substantially. Although we did not analyze this closely in this report, we'd expect that average cost of savings per dollar spent to be less for agencies that target the highest consumption households due to reduced support and inspector/evaluation labor.

4. DETAILED SPENDING AND IMPACT PROFILES BY UTILITY

This section provides tables of spending and impacts for the utilities, the state, and the overall program. The tables are designed to provide information to meet the filing requirements for cost recovery.

The summary of impacts for state and utility funding are similar to those provided in the earlier SLICE reports.

We have added a second table for each of the utilities in this report. These tables show the combined impacts of electricity and natural gas measures regardless of funding source. These tables should prove useful for the energy and demand planning departments at the utilities to account for the aggregate impacts of the low-income program, and not just the impacts funded by a specific utility.

Energy savings for waterbed mattresses, a measure since the 1994 program, may be negative in these tables. This is because the algorithm accounts for reductions in the heat which the waterbed radiates to the house (which results in more heat required from the heating system). See Appendix A of *An Evaluation of the 1994 Iowa Low-Income Weatherization Efforts* for a detailed description of the algorithm.

In addition, cases where water heater turndowns are the only water heater energy savings measure will show up as negative. The water heater savings algorithms account for interactions between the measures. Because of this, the water heater measure savings are reduced when water heater turndowns are implemented. In the rare instance that a turndown is the only water heater measure installed, the savings show up as negative.

Combined State and Utility
Calendar Year 2001 Estimates
All Measures

| | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | |
|-----------------------|-----------------------------------|----------|-------|---------|----------|-----------|---|----------|------------------------------------|-------------|-----------|------------|------------------------------|---------------|---------------|-----------------|------------------|------------|---------------|------------------------------------|-----------------|------------------|---|------------|---------------|---------------|-----------------|------------------|------------|---------------|---------------|-----------------|------------------|------------|
| Measure | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Electricity | | | | | Gas | | | | | Spending on Materials & Labor (\$) | Electricity | | | | | Gas | | | | | | | | |
| | | | | | | Summer kW | | | | Summer kWh | Winter kW | Winter kWh | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | Summer kW | | Summer kWh | Winter kW | Winter kWh | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | |
| OVERALL | 1,998 | 1,987 | 1,713 | 227 | 39 | 1 | | | 4,934,924 | 395.3 | | 256.0 | | 1,303,387 | 5,329 | 508,643 | 62,190 | 7,434 | 27 | 2469.93 | 0.124 | | 0.074 | | 656 | 3.111 | 297 | 272 | 191 | 27 | | | | |
| Shell & Htg. Sys. | 1,986 | 1,955 | 1,693 | 224 | 39 | 1 | 1,706 | 1,985 | 4,695,490 | 310.5 | 235,594 | 120.6 | 247,770 | 483,364 | 5,275 | 489,983 | 60,911 | 7,434 | 27 | 2364.30 | 0.182 | 138 | 0.061 | 125 | 247 | 3.116 | 289 | 274 | 191 | 27 | | | | |
| Wall Insul. | 1,253 | 1,253 | 1,106 | 113 | 22 | 1 | 1,097 | 1,253 | 1,091,399 | 120.39 | 91,341 | 55.65 | 114,980 | 206,321 | 1,750 | 162,575 | 15,338 | 2,203 | 8 | 871.03 | 0.10 | 83 | 0.044 | 92 | 165 | 1.582 | 147 | 136 | 100 | 8 | | | | |
| Ceiling Insul. | 1,642 | 1,642 | 1,392 | 193 | 35 | 1 | 1,439 | 1,641 | 1,035,571 | 162.67 | 123,439 | 37.20 | 76,814 | 200,253 | 806 | 75,124 | 11,417 | 1,404 | 2 | 630.68 | 0.113 | 86 | 0.023 | 47 | 122 | 0.579 | 54 | 59 | 40 | 2 | | | | |
| Infltr. Reduction | 1,936 | 1,683 | 1,641 | 214 | 37 | 1 | 1,679 | 1,919 | 569,130 | 20.31 | 15,409 | 10.61 | 21,408 | 36,816 | 1,122 | 103,711 | 14,582 | 1,478 | 6 | 293.97 | - | - | - | - | - | - | - | 68 | 40 | 6 | | | | |
| Found./Crawl. Insul. | 667 | 667 | 572 | 73 | 13 | 1 | 555 | 667 | 280,632 | 7.17 | 5,405 | 14.53 | 29,237 | 34,642 | 339 | 31,222 | 4,264 | 434 | 2 | 420.74 | 0.013 | 10 | 0.022 | 44 | 52 | 0.593 | 55 | 58 | 33 | 2 | | | | |
| Bandjoist Insul. | 865 | 865 | 732 | 103 | 21 | 0 | - | 865 | 71,197 | 0.00 | 0 | 2.60 | 5,331 | 5,331 | 63 | 5,896 | 946 | 120 | 0 | 82.31 | - | - | 0.003 | 6 | 6 | 0.087 | 8 | 9 | 6 | - | | | | |
| Hi-Eff Htg Sys Repl | 355 | 0 | 322 | 29 | 4 | 0 | - | 355 | 732,305 | 0.00 | 0 | 0.00 | 0 | 0 | 652 | 61,477 | 7,083 | 472 | 0 | 2062.83 | - | - | 0.000 | 0 | - | 2.026 | 191 | 244 | 118 | - | | | | |
| Std-Eff Htg Sys Repl | 504 | 0 | 427 | 59 | 17 | 1 | - | 504 | 882,855 | 0.00 | 0 | 0.00 | 0 | 0 | 518 | 47,739 | 6,756 | 1,324 | 9 | 1751.70 | - | - | 0.000 | 0 | - | 1.213 | 112 | 115 | 78 | - | | | | |
| Other Htg Sys Repl | 26 | 0 | 22 | 4 | 0 | 0 | - | 26 | 32,402 | 0.00 | 0 | 0.00 | 0 | 0 | 24 | 2,238 | 524 | 0 | 0 | 1246.21 | - | - | 0.000 | 0 | - | 1.105 | 102 | 131 | - | - | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu |
| Water Heating | 1,141 | 217 | 875 | 49 | 0 | 0 | 1,781 | 342 | 1,329 | 110 | 0 | 0 | 27,762 | 7.8 | 16.3 | 104,398 | 60.8 | 19,684 | 1,412 | 0 | 0 | 24.33 | 0.036 | 0.075 | 481 | 0.069 | 22 | 29 | - | - | - | | | |
| Temp. Reduct. | 59 | 6 | 53 | 0 | 0 | 0 | | | | | | | 0 | 0.16 | 0.18 | 1,530 | 4.2 | 1,442 | 0 | 0 | 0 | 0.00 | 0.026 | 0.031 | 255 | 0.078 | 27 | - | - | - | - | | | |
| WH Wrap | 262 | 57 | 201 | 4 | 0 | 0 | | | | | | | 4,658 | 1.40 | 1.65 | 13,746 | 8.2 | 2,832 | 71 | 0 | 0 | 0.00 | 0.025 | 0.029 | 241 | 0.041 | 14 | 18 | - | - | - | | | |
| Pipe Insul. | 916 | 173 | 709 | 34 | 0 | 0 | | | | | | | 6,144 | 1.74 | 2.04 | 17,015 | 12.7 | 4,422 | 223 | 0 | 0 | 0.00 | 0.010 | 0.012 | 98 | 0.018 | 6 | 7 | - | - | - | | | |
| LF Showerhead | 465 | 105 | 331 | 29 | 0 | 0 | 556 | 129 | 394 | 33 | 0 | 0 | 13,638 | 3.83 | 10.60 | 61,376 | 29.9 | 9,214 | 956 | 0 | 0 | 29.33 | 0.036 | 0.101 | 585 | 0.090 | 28 | 33 | - | - | - | | | |
| Faucet Aerator | 637 | 122 | 475 | 40 | 0 | 0 | 1,225 | 213 | 935 | 77 | 0 | 0 | 3,321 | 0.67 | 1.83 | 10,731 | 5.8 | 1,774 | 161 | 0 | 0 | 5.21 | 0.006 | 0.015 | 88 | 0.012 | 4 | 4 | - | - | - | | | |
| Lighting | 1,257 | 1,257 | | | | | 1,897 | 1,897 | 72,318 | 27.4 | 57.1 | | 298,075 | | | | | | | 57.53 | 0.022 | | 0.045 | 237 | - | - | - | - | - | - | | | | |
| Capsylite (42W) | 14 | 14 | | | | | 47 | 47 | | 0.11 | | 0.17 | | 232 | | 1,260 | | | | 16.60 | 0.008 | | 0.012 | 90 | | | | | | | | | | |
| Capsylite (52W) | 130 | 130 | | | | | 548 | 548 | 2,884 | 1.07 | 1.91 | | | 12,144 | | 12,144 | | | | 22.18 | 0.008 | | 0.015 | 93 | | | | | | | | | | |
| Capsylite (72W) | 59 | 59 | | | | | 73 | 73 | 804 | 0.24 | 0.35 | | | 13,663 | | 2,809 | | | | 13.63 | 0.004 | | 0.006 | 48 | | | | | | | | | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | | 0 | | 0 | | | | 0.00 | - | | - | - | | | | | | | | | | |
| CFL (5W) | 4 | 4 | | | | | 8 | 8 | 74 | 0.02 | 0.04 | | | 160 | | 0 | | | | 18.38 | 0.004 | | 0.010 | 40 | | | | | | | | | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | | 0 | | 0 | | | | 0.00 | - | | - | - | | | | | | | | | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | | 0 | | 0 | | | | 0.00 | - | | - | - | | | | | | | | | | |
| CFL (11W) | 33 | 33 | | | | | 138 | 138 | 1,307 | 0.39 | 0.93 | | | 4,003 | | 39.60 | | | | 0.012 | - | | 0.028 | 121 | | | | | | | | | | |
| CFL (15W) | 284 | 284 | | | | | 878 | 878 | 10,349 | 3.71 | 8.21 | | | 39,503 | | 36.44 | | | | 0.013 | 0.013 | | 0.029 | 139 | | | | | | | | | | |
| CFL (18W) | 13 | 13 | | | | | 66 | 66 | 1,119 | 0.35 | 0.80 | | | 3,761 | | 86.09 | | | | 0.027 | 0.062 | | 0.289 | 289 | | | | | | | | | | |
| CFL (20W) | 331 | 331 | | | | | 1,629 | 1,629 | 25,200 | 8.46 | 19.35 | | | 89,565 | | 76.13 | | | | 0.026 | 0.058 | | 271 | | | | | | | | | | | |
| CFL (23W) | 272 | 272 | | | | | 863 | 863 | 14,972 | 5.01 | 8.39 | | | 57,795 | | 55.05 | | | | 0.018 | 0.031 | | 212 | | | | | | | | | | | |
| CFL (25W) | 274 | 274 | | | | | 695 | 695 | 10,325 | 4.75 | 9.59 | | | 52,149 | | 37.68 | | | | 0.017 | 0.035 | | 190 | | | | | | | | | | | |
| CFL Circline (30W) | 116 | 116 | | | | | 291 | 291 | 5,052 | 3.28 | 7.34 | | | 34,928 | | 43.55 | | | | 0.028 | 0.063 | | 301 | | | | | | | | | | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | | 0 | | 0 | | | | 0.00 | - | | - | - | | | | | | | | | | |
| Waterbed Mattress Pad | 33 | 33 | 28 | 4 | 0 | 0 | 69 | 35 | 30 | 4 | 0 | 0 | 575 | 0.00 | 10.53 | 27,790 | -6.2 | -1025 | -132.8 | 0.0 | 0.0 | 0.0 | 17.42 | 0.000 | 0.319 | 842 | -0.222 | -37 | -33 | - | - | | | |
| King | 14 | 14 | 9 | 4 | 0 | 0 | 27 | 14 | 9 | 4 | 0 | 0 | 178 | 0.00 | 4.43 | 11,698 | -1.7 | -286 | -132.8 | 0.0 | 0.0 | 0.0 | 12.71 | 0.000 | 0.317 | 836 | -0.193 | -32 | -33 | - | - | | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | | - | - | - | - | - | - | - | - | | | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | | - | - | - | - | - | - | - | - | | | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | | - | - | - | - | - | - | - | - | | | | |
| Unknown | 19 | 19 | 19 | 0 | 0 | 0 | 42 | 21 | 21 | 0 | 0 | 0 | 397 | 0.00 | 6.10 | 16,092 | -4.5 | -739 | 0.0 | 0.0 | 0.0 | 20.88 | 0.000 | 0.321 | 847 | -0.236 | -39 | - | - | - | - | | | |
| Refrigerator/Freezer | 281 | 281 | | | | | 318 | 318 | 138,780 | 49.58 | 51.45 | | | 389,760 | | 493.88 | | | | 0.176 | 0.183 | | 1,367 | | | | | | | | | | | |
| Refrigerator Remova | 20 | 20 | | | | | 23 | 23 | 850 | 5.80 | 6.04 | | | 42,570 | | 42.50 | | | | 0.288 | 0.290 | | 2,288 | | | | | | | | | | | |
| Refrigerator Exchange | 187 | 187 | | | | | 215 | 215 | 110,196 | 33.75 | 35.03 | | | 265,397 | | 589.28 | | | | 0.180 | 0.187 | | 1,419 | | | | | | | | | | | |
| Freezer Removal | 7 | 7 | | | | | 8 | 8 | 280 | 1.41 | 1.47 | | | 11,112 | | 40.00 | | | | 0.201 | 0.210 | | 1,587 | | | | | | | | | | | |
| Freezer Exchange | 67 | 67 | | | | | 72 | 72 | 27,454 | 8.62 | 8.91 | | | 67,481 | | 409.76 | | | | 0.129 | 0.133 | | 1,007 | | | | | | | | | | | |

Costs for Measures Without Energy Impacts Installed in 2003 Total Households with Spending and/or Energy Impacts:

| | | | |
|---------------------------|-------|-----------|---------|
| Total | | 3,527,165 | |
| Unspecified Insul. | 1,518 | 218,892 | 144.20 |
| Duct Insulation | 47 | 3,553 | 75.60 |
| Duct Sealing | 561 | 85,973 | 153.25 |
| Damming Material | 663 | 18,425 | 27.79 |
| Htg. Sys. Tune & Clean | 1,258 | 96,642 | 76.62 |
| Htg. Sys. Wrt Other | 495 | 131,513 | 265.68 |
| Space Heater Repl. | 12 | 18,975 | 1581.23 |
| Air Conditioning Work | 52 | 5,729 | 110.17 |
| Water Heater Repl. | 357 | 117,186 | 328.25 |
| Water Heater Repair | 0 | 0 | 0.00 |
| Refrigerator Coil Clean | 0 | 0 | 0.00 |
| Unspecified Utility Meas | 0 | 0 | 0.00 |
| Asbestos Abatement | 0 | 0 | 0.00 |
| CO Detector | 658 | 32,804 | 49.85 |
| Smoke Detector | 0 | 0 | 0.00 |
| Fuses | 0 | 0 | 0.00 |
| Htg Sys Safety Check | 1,034 | 87,964 | 85.07 |
| Exhaust Ventilation | 1,141 | 213,101 | 166.77 |
| Health/Safety Repairs | 31 | 955 | 30.79 |
| Health/Safety Other | 77 | 22,632 | 293.92 |
| Consumables | 399 | 5,695 | 14.27 |
| Preservation | 0 | 0 | 0.00 |
| Roof Repairs | 0 | 0 | 0.00 |
| General Repairs | 1,596 | 473,157 | 296.46 |
| Evaluator Labor | 1,892 | 249,915 | 132.09 |
| Inspector Labor | 1,877 | 225,524 | 120.15 |
| Eval/Insp Labor | 24 | 10,569 | 440.38 |
| Meter Refrig (no action) | 0 | 0 | 0.00 |
| Meter Freezer (no action) | 0 | 0 | 0.00 |
| Support | 2,000 | 1,508,687 | 754.34 |
| Landlord | 29 | (10,710) | -369.31 |
| Landlord | 1 | (296) | -2 |

State Only
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for DCAA-Funded Measures

| | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | |
|-----------------------|-----------------------------------|----------|-------|---------|----------|-------|---|----------|-----|------------------------------------|-----------|---------|------------------------------|-----------|------------|---------------|-------------------|-----------------|------------------|---------------|------------------------------------|------------------|---|-----------|-----------|------------|---------------|-------------------|-----------------|------------------|---------------|-----------------|------------------|------------|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | | Spending on Materials & Labor (\$) | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | Gas Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | Gas Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | |
| Measure | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | | Spending on Materials & Labor (\$) | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | Gas Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | Gas Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | |
| OVERALL | 1,983 | 1,876 | 1,673 | 226 | 39 | 1 | | | | 3,223,766 | 203.4 | | 130.6 | | 715,664 | 3,146 | 298,136 | 62,127 | 7,434 | 27 | 1625.70 | 0.087 | | 0.050 | | 381 | 1.881 | 178 | 275 | 191 | 27 | | | |
| Shell & Htg. Sys. | 1,975 | 1,832 | 1,654 | 224 | 39 | 1 | 1,694 | 1,946 | | 3,076,528 | 151.1 | 115,196 | 59.5 | 123,062 | 238,259 | 3,123 | 290,176 | 60,911 | 7,434 | 27 | 1557.74 | 0.089 | 68 | 0.031 | 63 | 130 | 1,888 | 175 | 272 | 191 | 27 | | | |
| Wall Insul. | 692 | 692 | 413 | 113 | 22 | 1 | 481 | 555 | | 446,730 | 48.47 | 37,742 | 25.49 | 53,018 | 90,760 | 599 | 55,934 | 15,338 | 2,203 | 8 | 645.56 | 0.103 | 78 | 0.046 | 96 | 131 | 1,451 | 135 | 136 | 100 | 8 | | | |
| Ceiling Insul. | 952 | 952 | 547 | 193 | 35 | 1 | 662 | 785 | | 468,299 | 78.42 | 59,822 | 17.61 | 36,755 | 96,577 | 276 | 25,783 | 11,417 | 1,404 | 2 | 491.91 | 0.118 | 90 | 0.022 | 47 | 101 | 0.504 | 47 | 59 | 40 | 2 | | | |
| Infltr. Reduction | 1,932 | 1,682 | 1,576 | 214 | 37 | 1 | 1,678 | 1,854 | | 559,045 | 20.31 | 15,406 | 10.61 | 21,408 | 36,813 | 1,099 | 101,572 | 14,582 | 1,478 | 6 | 289.36 | - | - | - | - | - | - | - | 68 | 40 | 6 | | | |
| Found./Crawl. Insul. | 384 | 384 | 226 | 73 | 13 | 1 | 275 | 315 | | 123,546 | 2.93 | 2,227 | 4.47 | 9,153 | 11,380 | 129 | 11,958 | 4,264 | 434 | 2 | 321.73 | 0.011 | 8 | 0.014 | 29 | 30 | 0.573 | 53 | 58 | 33 | 2 | | | |
| Bandjoist Insul. | 408 | 408 | 278 | 103 | 21 | 0 | - | 408 | | 30,793 | 0.00 | 0 | 1.33 | 2,729 | 2,729 | 22 | 2,088 | 946 | 120 | 0 | 75.47 | - | - | 0.003 | 7 | 7 | 0.081 | 8 | 9 | 6 | - | | | |
| Hi-Eff Htg Sys Repl | 280 | 0 | 247 | 29 | 4 | 0 | - | 280 | | 532,858 | 0.00 | 0 | 0.00 | 0 | 0 | 455 | 42,863 | 7,083 | 472 | 0 | 1903.06 | - | - | 0.000 | 0 | - | 1.841 | 174 | 244 | 118 | - | | | |
| Std-Eff Htg Sys Repl | 504 | 0 | 427 | 59 | 17 | 1 | - | 504 | | 882,855 | 0.00 | 0 | 0.00 | 0 | 0 | 518 | 47,739 | 6,756 | 1,324 | 9 | 1751.70 | - | - | 0.000 | 0 | - | 1.213 | 112 | 115 | 78 | 9 | | | |
| Other Htg Sys Repl | 26 | 0 | 22 | 4 | 0 | 0 | - | 26 | | 32,402 | 0.00 | 0 | 0.00 | 0 | 0 | 24 | 2,238 | 524 | 0 | 0 | 1246.21 | - | - | 0.000 | 0 | - | 1.105 | 102 | 131 | - | - | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu |
| Water Heating | 531 | 119 | 365 | 47 | 0 | 0 | 787 | 156 | 525 | 106 | 0 | 0 | 0 | 17,051 | 4.6 | 9.8 | 61,842 | 26.7 | 8,516 | 1,348 | 0 | 0 | 0 | 32.11 | 0.038 | 0.082 | 520 | 0.073 | 23 | 29 | - | - | - | |
| Temp. Reduct. | 21 | 4 | 17 | 0 | 0 | 0 | | | | | | | | 0 | 0.15 | 0.17 | 1,444 | 1.4 | 489 | 0 | 0 | 0 | 0.00 | 0.037 | 0.043 | 361 | 0.083 | 29 | - | - | - | - | | |
| WH Wrap | 94 | 34 | 56 | 4 | 0 | 0 | | | | | | | | 1,483 | 0.84 | 0.99 | 8,213 | 2.3 | 781 | 0 | 0 | 0 | 15.78 | 0.025 | 0.029 | 242 | 0.040 | 14 | 18 | - | - | - | | |
| Pipe Insul. | 362 | 81 | 249 | 32 | 0 | 0 | | | | | | | | 2,089 | 0.81 | 0.95 | 7,927 | 4.3 | 1,484 | 207 | 0 | 0 | 0 | 0.010 | 0.012 | 98 | 0.017 | 6 | 6 | - | - | - | | |
| LF Showerhead | 285 | 61 | 177 | 27 | 0 | 0 | 307 | 72 | 204 | 31 | 0 | 0 | 0 | 12,064 | 2.43 | 6.73 | 38,890 | 16.7 | 5,135 | 910 | 0 | 0 | 0 | 45.53 | 0.040 | 0.110 | 638 | 0.094 | 29 | 34 | - | - | - | |
| Faucet Aerator | 250 | 50 | 161 | 39 | 0 | 0 | 480 | 84 | 321 | 75 | 0 | 0 | 0 | 1,415 | 0.33 | 0.96 | 5,367 | 2.0 | 626 | 160 | 0 | 0 | 0 | 5.66 | 0.007 | 0.019 | 107 | 0.013 | 4 | 4 | - | - | - | |
| Lighting | 537 | 537 | | | | | 1,897 | 1,897 | | 28,782 | 10.6 | 21.1 | | 119,237 | | | | | | 53.60 | 0.020 | | 0.039 | | 222 | - | - | - | - | - | - | | | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | | - | - | - | | | | | | | | | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | | - | - | - | | | | | | | | | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | | - | - | - | | | | | | | | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | | - | - | - | | | | | | | | | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | | - | - | - | | | | | | | | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | | - | - | - | | | | | | | | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | | - | - | - | | | | | | | | | |
| CFL (11W) | 8 | 8 | | | | | 26 | 26 | | 286 | 0.06 | 0.11 | | 754 | | | | | | 35.71 | 0.008 | | 0.014 | | 94 | | | | | | | | | |
| CFL (15W) | 64 | 64 | | | | | 270 | 270 | | 3,314 | 1.08 | 2.07 | | 12,148 | | | | | | 51.78 | 0.017 | | 0.032 | | 190 | | | | | | | | | |
| CFL (18W) | 3 | 3 | | | | | 19 | 19 | | 323 | 0.09 | 0.18 | | 1,083 | | | | | | 107.67 | 0.031 | | 0.061 | | 361 | | | | | | | | | |
| CFL (20W) | 130 | 130 | | | | | 626 | 626 | | 9,879 | 3.15 | 6.74 | | 34,418 | | | | | | 75.99 | 0.024 | | 0.052 | | 265 | | | | | | | | | |
| CFL (23W) | 115 | 115 | | | | | 502 | 502 | | 8,601 | 2.89 | 4.90 | | 33,619 | | | | | | 74.80 | 0.025 | | 0.043 | | 292 | | | | | | | | | |
| CFL (25W) | 98 | 98 | | | | | 384 | 384 | | 5,131 | 2.63 | 5.59 | | 28,814 | | | | | | 52.35 | 0.027 | | 0.057 | | 294 | | | | | | | | | |
| CFL Circline (30W) | 21 | 21 | | | | | 70 | 70 | | 1,248 | 0.74 | 1.46 | | 8,402 | | | | | | 59.44 | 0.035 | | 0.069 | | 400 | | | | | | | | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | | - | - | - | | | | | | | | | |
| Waterbed Mattress Pad | 20 | 6 | 16 | 4 | 0 | 0 | 27 | 6 | 17 | 4 | 0 | 0 | 0 | 117 | 0.00 | 1.74 | 4,598 | -3.4 | -566 | -132.8 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.290 | 766 | -0.211 | -35 | -33 | - | - | | |
| King | 9 | 0 | 5 | 4 | 0 | 0 | 9 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | -1.0 | -159 | -132.8 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | -0.193 | -32 | -33 | - | - | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | | |
| Unknown | 11 | 6 | 11 | 0 | 0 | 0 | 18 | 6 | 12 | 0 | 0 | 0 | 0 | 117 | 0.00 | 1.74 | 4,598 | -2.4 | -397 | 0.0 | 0.0 | 0.0 | 0.0 | 10.65 | 0.000 | 0.290 | 766 | -0.219 | -36 | - | - | - | | |
| Refrigerator/Freezer | 220 | 220 | | | | | 238 | 238 | | 101,288 | 37.10 | 38.51 | | 291,728 | | | | | | 460.40 | 0.169 | | 0.175 | | 1,326 | | | | | | | | | |
| Refrigerator Removal | 17 | 17 | | | | | 20 | 20 | | 790 | 5.06 | 5.25 | | 39,800 | | | | | | 46.47 | 0.298 | | 0.309 | | 2,341 | | | | | | | | | |
| Refrigerator Exchange | 143 | 143 | | | | | 155 | 155 | | 79,170 | 24.02 | 24.95 | | 189,036 | | | | | | 553.64 | 0.168 | | 0.174 | | 1,322 | | | | | | | | | |
| Freezer Removal | 7 | 7 | | | | | 8 | 8 | | 280 | 1.41 | 1.47 | | 11,112 | | | | | | 40.00 | 0.201 | | 0.210 | | 1,587 | | | | | | | | | |
| Freezer Exchange | 53 | 53 | | | | | 55 | 55 | | 21,047 | 6.61 | 6.84 | | 51,781 | | | | | | 397.12 | 0.125 | | 0.129 | | 977 | | | | | | | | | |

Costs for Measures Without Energy Impacts Installed in 2003 Total Households with Spending and/or Energy Impacts:

| | | | | | |
|---------------------------|-------|--|-----------|--|---------|
| Total | | | 3,308,267 | | |
| Unspecified Insul. | 1,477 | | 215,662 | | 146.01 |
| Duct Insulation | 37 | | 3,155 | | 85.28 |
| Duct Sealing | 561 | | 85,973 | | 153.25 |
| Damming Material | 663 | | 18,425 | | 27.79 |
| Htg. Sys. Tune & Clean | 1,258 | | 96,642 | | 76.82 |
| Htg. Sys./WH Other | 495 | | 131,513 | | 265.68 |
| Space Heater Repl. | 12 | | 18,975 | | 1581.23 |
| Air Conditioning Work | 51 | | 3,692 | | 72.39 |
| Water Heater Repl. | 343 | | 111,466 | | 324.98 |
| Water Heater Repair | 0 | | 0 | | 0.00 |
| Refrigerator Coil Clean | 0 | | 0 | | 0.00 |
| Unspecified Utility Meas | 0 | | 0 | | 0.00 |
| Asbestos Abatement | 0 | | 0 | | 0.00 |
| CO Detector | 658 | | 32,804 | | 49.85 |
| Smoke Detector | 0 | | 0 | | 0.00 |
| Fuses | 0 | | 0 | | 0.00 |
| Htg Sys Safety Check | 1,034 | | 87,964 | | 85.07 |
| Exhaust Ventilation | 1,141 | | 213,101 | | 166.77 |
| Health/Safety Repairs | 31 | | 955 | | 30.79 |
| Health/Safety Other | 77 | | 22,632 | | 293.92 |
| Consumables | 399 | | 5,695 | | 14.27 |
| Preservation | 0 | | 0 | | 0.00 |
| Roof Repairs | 0 | | 0 | | 0.00 |
| General Repairs | 1,595 | | 473,154 | | 296.65 |
| Evaluator Labor | 1,892 | | 249,915 | | 132.09 |
| Inspector Labor | 1,877 | | 225,524 | | 120.15 |
| Eval/Insp Labor | 24 | | 10,569 | | 440.38 |
| Meter Refrig (no action) | 0 | | 0 | | 0.00 |
| Meter Freezer (no action) | 0 | | 0 | | 0.00 |
| Support | 2,000 | | 1,301,177 | | 650.59 |
| Landlord | 29 | | (10,710) | | -369.31 |
| Landlord | 1 | | (296) | | -295.74 |
| Warehouse | 0 | | 0 | | 0.00 |
| Unspecified | 19 | | 10,279 | | 540.99 |

[illegible]

| | | | |
|-----------------------------|-----|----------------|---------|
| Total | | 117,712 | |
| Unspecified Insul. | 26 | 320 | 12.32 |
| Duct Insulation | 9 | 273 | 30.29 |
| Duct Sealing | 0 | 0 | 0.00 |
| Damming Material | 0 | 0 | 0.00 |
| Htg. Sys. Tune & Clean | 0 | 0 | 0.00 |
| Htg. Sys./WH Other | 0 | 0 | 0.00 |
| Space Heater Repl. | 0 | 0 | 0.00 |
| Air Conditioning Work | 1 | 2,037 | 2037.00 |
| Water Heater Repl. | 7 | 2,945 | 420.66 |
| Water Heater Repair | 0 | 0 | 0.00 |
| Refrigerator Coil Clean | 0 | 0 | 0.00 |
| Unspecified Utility Mess | 0 | 0 | 0.00 |
| Asbestos Abatement | 0 | 0 | 0.00 |
| CO Detector | 0 | 0 | 0.00 |
| Smoke Detector | 0 | 0 | 0.00 |
| Fuses | 0 | 0 | 0.00 |
| Htg Sys Safety Check | 0 | 0 | 0.00 |
| Exhaust Ventilation | 0 | 0 | 0.00 |
| Health/Safety Repairs | 0 | 0 | 0.00 |
| Health/Safety Other | 0 | 0 | 0.00 |
| Consumables | 0 | 0 | 0.00 |
| Preservation | 0 | 0 | 0.00 |
| Roof Repairs | 0 | 0 | 0.00 |
| General Repairs | 0 | 0 | 0.00 |
| Evaluator Labor | 0 | 0 | 0.00 |
| Inspector Labor | 0 | 0 | 0.00 |
| Eval/Insp Labor | 0 | 0 | 0.00 |
| Meter Refrigerator (no acti | 0 | 0 | 0.00 |
| Meter Freezer (no action) | 0 | 0 | 0.00 |
| Support | 526 | 112,137 | 213.19 |
| Landlord | 0 | 0 | 0.00 |
| Landlord | 0 | 0 | 0.00 |
| Warehouse | 0 | 0 | 0.00 |
| Unspecified | 0 | 0 | 0.00 |

800,921

64,918

865,840

Alliant Energy - IES

Calendar Year 2001 Estimates

Electricity and Natural Gas Fuel and Demand Impacts For All Customer Households Regardless of Funding Source

| | Number of Households with Impacts | | | Count of Households with Electricity Impacts by End-Use | | | Estimated First-Year Savings Electricity | | | | | Gas | | Average per Treated Household | | | | | Gas | |
|--------------------------------|-----------------------------------|----------|-----|---|---------|-----|--|------------|-----------|------------|------------|---------------|---------------|-------------------------------|------------|-----------|------------|------------|---------------|---------------|
| Measure | Total | Electric | Gas | Cooling | Heating | | Summer kW | Summer kWh | Winter kW | Winter kWh | Annual kWh | Pk-Day therms | Annual therms | Summer kW | Summer kWh | Winter kW | Winter kWh | Annual kWh | Pk-Day therms | Annual therms |
| OVERALL | 692 | 500 | 472 | | | | 105.1 | | 87.3 | | 441,968 | 1,252.1 | 150,060 | 0.106 | | 0.069 | | 884 | 2.653 | 318 |
| Gas Ht: Shell & Htg. Sys. Mea. | 683 | 487 | 472 | 406 | 678 | | 67.5 | 50,401 | 18.3 | 37,223 | 87,624 | 1,239.91 | 145,765 | 0.166 | 124 | 0.027 | 55 | 180 | 2.627 | 309 |
| Wall Insul. | 442 | 316 | 309 | 262 | 442 | | 25.26 | 18,853 | 10.17 | 20,715 | 39,568 | 532.50 | 49,079 | 0.096 | 72 | 0.023 | 47 | 125 | 1.723 | 158.8 |
| Ceiling Insul. | 537 | 384 | 371 | 315 | 536 | | 34.03 | 25,392 | 4.74 | 9,691 | 35,083 | 236.68 | 21,871 | 0.108 | 81 | 0.009 | 18 | 91 | 0.638 | 59.0 |
| Infil. Reduction | 637 | 406 | 460 | 406 | 460 | | 4.97 | 3,709 | 0.00 | 0 | 3,709 | 0.00 | 31,136 | - | - | - | - | - | - | - |
| Found./Crawl. Insul. | 271 | 205 | 175 | 170 | 271 | | 3.28 | 2,447 | 2.90 | 5,890 | 8,337 | 104.45 | 9,616 | 0.019 | 14 | 0.011 | 22 | 41 | 0.597 | 54.9 |
| Bandjoist Insul. | 286 | 218 | 187 | - | 286 | | 0.00 | 0 | 0.46 | 927 | 927 | 15.99 | 1,481 | - | - | 0.002 | 3 | 4 | 0.086 | 7.9 |
| Hi-Eff Htg Sys Repl | 97 | 0 | 97 | - | 97 | | 0.00 | 0 | 0.00 | 0 | 0 | 202.08 | 19,008 | - | - | 0.000 | 0 | - | 2.083 | 196.0 |
| Std-Eff Htg Sys Repl | 114 | 0 | 114 | - | 114 | | 0.00 | 0 | 0.00 | 0 | 0 | 139.93 | 12,822 | - | - | 0.000 | 0 | - | 1.227 | 112.5 |
| Other Htg Sys Repl | 10 | 0 | 10 | - | 10 | | 0.00 | 0 | 0.00 | 0 | 0 | 8.29 | 753 | - | - | 0.000 | 0 | - | - | - |
| Electric Heat: Shell Measures | 12 | 12 | 0 | 10 | 12 | | 1.6 | 1,187 | 22.6 | 45,271 | 46,459 | 0.00 | 0 | 0.159 | 119 | 1.884 | 3,773 | 3,872 | - | - |
| Wall Insul. | 4 | 4 | 0 | 3 | 4 | | 0.44 | 328 | 5.28 | 10,713 | 11,041 | 0.00 | 0 | 0.147 | 109 | 1.321 | 2,678 | 2,760 | - | - |
| Ceiling Insul. | 10 | 10 | 0 | 9 | 10 | | 0.95 | 707 | 7.00 | 14,141 | 14,848 | 0.00 | 0 | 0.105 | 79 | 0.700 | 1,414 | 1,485 | - | - |
| Infil. Reduction | 12 | 12 | 0 | 10 | 12 | | 0.13 | 98 | 6.41 | 12,664 | 12,763 | 0.00 | 0 | - | - | - | - | - | - | - |
| Found./Crawl. Insul. | 5 | 5 | 0 | 3 | 5 | | 0.07 | 54 | 3.73 | 7,403 | 7,457 | 0.00 | 0 | 0.024 | 18 | 0.747 | 1,481 | 1,491 | - | - |
| Bandjoist Insul. | 2 | 2 | 0 | - | 2 | | 0.00 | 0 | 0.18 | 350 | 350 | 0.00 | 0 | - | - | 0.090 | 175 | 175 | - | - |
| | Total | Electric | Gas | Number of Measures by Fuel Type | | | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms |
| Water Heating | 320 | 89 | 231 | 584 | 178 | 406 | 3.3 | | 6.3 | | 43,669 | 14.7 | 4,697 | 0.037 | | 0.070 | | 491 | 0.063 | 20.3 |
| Temp. Reduct. | 8 | 1 | 7 | | | | 0.02 | | 0.02 | | 202 | 0.4 | 133 | 0.021 | | 0.024 | | 202 | 0.055 | 18.9 |
| WH Wrap | 38 | 11 | 27 | | | | 0.27 | | 0.32 | | 2,646 | 1.1 | 370 | 0.025 | | 0.029 | | 241 | 0.040 | 13.7 |
| Pipe Insul. | 259 | 72 | 187 | | | | 0.72 | | 0.85 | | 7,081 | 3.3 | 1,133 | 0.010 | | 0.012 | | 98 | 0.017 | 6.1 |
| LF Showerhead | 141 | 44 | 97 | 175 | 63 | 112 | 1.90 | | 4.25 | | 28,304 | 8.3 | 2,555 | 0.043 | | 0.096 | | 643 | 0.086 | 26.3 |
| Faucet Aerator | 204 | 63 | 141 | 409 | 115 | 294 | 0.36 | | 0.82 | | 5,435 | 1.6 | 506 | 0.006 | | 0.013 | | 86 | 0.012 | 3.6 |
| Lighting | 496 | 496 | | 2,427 | 2,427 | | 13.9 | | 36.1 | | 138,924 | | | 0.028 | | 0.073 | | 280 | - | - |
| Capsylite (42W) | 1 | 1 | | 1 | 1 | | 0.00 | | 0.01 | | 27 | | | 0.003 | | 0.007 | | 27 | | |
| Capsylite (52W) | 22 | 22 | | 132 | 132 | | 0.29 | | 0.76 | | 2,925 | | | 0.013 | | 0.035 | | 133 | | |
| Capsylite (72W) | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | | |
| Capsylite, unknown | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | | |
| CFL (5W) | 4 | 4 | | 8 | 8 | | 0.02 | | 0.04 | | 160 | | | 0.004 | | 0.010 | | 40 | | |
| CFL (7W) | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | | |
| CFL (9W) | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | | |
| CFL (11W) | 22 | 22 | | 104 | 104 | | 0.30 | | 0.78 | | 3,017 | | | 0.014 | | 0.036 | | 137 | | |
| CFL (15W) | 194 | 194 | | 553 | 553 | | 2.49 | | 6.47 | | 24,880 | | | 0.013 | | 0.033 | | 128 | | |
| CFL (18W) | 8 | 8 | | 37 | 37 | | 0.21 | | 0.55 | | 2,108 | | | 0.026 | | 0.069 | | 264 | | |
| CFL (20W) | 165 | 165 | | 1,005 | 1,005 | | 5.53 | | 14.37 | | 55,256 | | | 0.033 | | 0.087 | | 335 | | |
| CFL (23W) | 71 | 71 | | 125 | 125 | | 0.84 | | 2.18 | | 8,371 | | | 0.012 | | 0.031 | | 118 | | |
| CFL (25W) | 129 | 129 | | 295 | 295 | | 2.21 | | 5.76 | | 22,135 | | | 0.017 | | 0.045 | | 172 | | |
| CFL Circline (30W) | 57 | 57 | | 167 | 167 | | 2.00 | | 5.21 | | 20,044 | | | 0.035 | | 0.091 | | 352 | | |
| CFL, unknown | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | | |
| Waterbed Mattress Pad | 23 | 19 | 11 | 31 | 20 | 11 | 0.00 | | 6.18 | | 16,296 | -2.4 | -402 | 0.000 | | 0.325 | | 858 | -0.222 | -37 |
| King | 14 | 14 | 4 | 18 | 14 | 4 | 0.00 | | 4.43 | | 11,698 | -0.8 | -127 | 0.000 | | 0.317 | | 836 | -0.193 | -32 |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | - | | - | | - | - | - |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | - | | - | | - | - | - |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | - | | - | | - | - | - |
| Unknown | 9 | 5 | 7 | 13 | 6 | 7 | 0.00 | | 1.74 | | 4,598 | -1.7 | -274 | 0.000 | | 0.349 | | 920 | -0.238 | -39 |
| Refrigerator/Freezer | 112 | 112 | | 139 | 139 | | 20.36 | | 20.52 | | 155,455 | | | 0.182 | | 0.183 | | 1,388 | | |
| Refrigerator Removal | 3 | 3 | | 6 | 6 | | 1.56 | | 1.58 | | 11,940 | | | 0.521 | | 0.525 | | 3,980 | - | - |
| Refrigerator Exchange | 74 | 74 | | 94 | 94 | | 14.08 | | 14.19 | | 107,486 | | | 0.190 | | 0.192 | | 1,453 | - | - |
| Freezer Removal | 2 | 2 | | 2 | 2 | | 0.36 | | 0.37 | | 2,778 | | | 0.182 | | 0.183 | | 1,389 | - | - |
| Freezer Exchange | 33 | 33 | | 37 | 37 | | 4.36 | | 4.39 | | 33,252 | | | 0.132 | | 0.133 | | 1,008 | - | - |

Alliant Energy - IPC
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| | Number of Households with Impacts | | | Count of Households with Electricity Impacts by End-Use | | Spending on Materials & Labor (\$) | Estimated First-Year Savings | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | |
|----------------------|-----------------------------------|----------|-----|---|---------|------------------------------------|------------------------------|------------|------------|---------------|-------------------|---|------------|------------|------------|---------------|-------------------|--|--|
| Measure | Total | Electric | Gas | Cooling | Heating | | Summer kWh | Winter kWh | Annual kWh | Pk-Day therms | Gas Annual therms | Spending on Materials & Labor (\$) | Summer kWh | Winter kWh | Annual kWh | Pk-Day therms | Gas Annual therms | | |
| OVERALL | 200 | 200 | 67 | | | 153,978 | 35.0 | 13.5 | 109,014 | 125 | 12,526 | 769.89 | 0.107 | 0.064 | 545 | 1.859 | 187 | | |
| Shell & Htg. Sys. | 197 | 196 | 67 | 185 | 68 | 131,174 | 26.7 | 19,915 | 3.4 | 7,236 | 27,151 | 123 | 11,763 | 665.86 | 0.144 | 108 | 0.050 | | |
| Wall Insul. | 120 | 120 | 41 | 115 | 42 | 42,111 | 12.08 | 9,017 | 2.42 | 5,194 | 14,211 | 53 | 5,154 | 350.92 | 0.105 | 78 | 0.058 | | |
| Ceiling Insul. | 174 | 174 | 57 | 168 | 57 | 37,697 | 14.28 | 10,656 | 0.66 | 1,420 | 12,076 | 30 | 2,872 | 216.65 | 0.085 | 63 | 0.012 | | |
| Infil. Reduction | 1 | 1 | 0 | 1 | 0 | 92 | 0.00 | 3 | 0.00 | 0 | 3 | 0 | 0 | 92.01 | - | - | - | | |
| Found./Crawl. Insul. | 41 | 41 | 14 | 36 | 14 | 5,602 | 0.32 | 239 | 0.21 | 432 | 671 | 8 | 747 | 136.63 | 0.009 | 7 | 0.015 | | |
| Bandjoist Insul. | 43 | 43 | 43 | - | 43 | 5,086 | 0.00 | 0 | 0.09 | 189 | 189 | 4 | 376 | 118.29 | - | - | 0.002 | | |
| Hi-Eff Htg Sys Repl | 17 | 0 | 17 | - | 17 | 40,586 | 0.00 | 0 | 0.00 | 0 | 0 | 28 | 2,615 | 2387.42 | - | - | 0.000 | | |
| Std-Eff Htg Sys Repl | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | | |
| Other Htg Sys Repl | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | | |
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Costs for Measures Without Energy Impacts Installed in 204 Total Households with Spending and/or Energy Impacts:

| | | | | | | | | | | | | | | | | | | |
|-----------------------------|-----|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Total | | 21,483 | | | | | | | | | | | | | | | | |
| Unspecified Insul. | 0 | | | | | | | | | | | | | | | | | |
| Duct Insulation | 0 | | | | | | | | | | | | | | | | | |
| Duct Sealing | 0 | | | | | | | | | | | | | | | | | |
| Damming Material | 0 | | | | | | | | | | | | | | | | | |
| Htg. Sys. Tune & Clean | 0 | | | | | | | | | | | | | | | | | |
| Htg. Sys./WH Other | 0 | | | | | | | | | | | | | | | | | |
| Space Heater Repl. | 0 | | | | | | | | | | | | | | | | | |
| Air Conditioning Work | 0 | | | | | | | | | | | | | | | | | |
| Water Heater Repl. | 3 | | | | | | | | | | | | | | | | | |
| Water Heater Repair | 0 | | | | | | | | | | | | | | | | | |
| Refrigerator Coil Clean | 0 | | | | | | | | | | | | | | | | | |
| Unspecified Utility Meas | 0 | | | | | | | | | | | | | | | | | |
| Asbestos Abatement | 0 | | | | | | | | | | | | | | | | | |
| CO Detector | 0 | | | | | | | | | | | | | | | | | |
| Smoke Detector | 0 | | | | | | | | | | | | | | | | | |
| Fuses | 0 | | | | | | | | | | | | | | | | | |
| Htg Sys Safety Check | 0 | | | | | | | | | | | | | | | | | |
| Exhaust Ventilation | 0 | | | | | | | | | | | | | | | | | |
| Health/Safety Repairs | 0 | | | | | | | | | | | | | | | | | |
| Health/Safety Other | 0 | | | | | | | | | | | | | | | | | |
| Consumables | 0 | | | | | | | | | | | | | | | | | |
| Preservation | 0 | | | | | | | | | | | | | | | | | |
| Roof Repairs | 0 | | | | | | | | | | | | | | | | | |
| General Repairs | 0 | | | | | | | | | | | | | | | | | |
| Evaluator Labor | 0 | | | | | | | | | | | | | | | | | |
| Inspector Labor | 0 | | | | | | | | | | | | | | | | | |
| Eval/Insp Labor | 0 | | | | | | | | | | | | | | | | | |
| Meter Refrigerator (no act) | 0 | | | | | | | | | | | | | | | | | |
| Meter Freezer (no action) | 0 | | | | | | | | | | | | | | | | | |
| Support | 174 | | | | | | | | | | | | | | | | | |
| Landlord | 0 | | | | | | | | | | | | | | | | | |
| Landlord | 0 | | | | | | | | | | | | | | | | | |
| Landlord | 0 | | | | | | | | | | | | | | | | | |
| Warehouse | 0 | | | | | | | | | | | | | | | | | |
| Unspecified | 0 | | | | | | | | | | | | | | | | | |

Total Reported Materials, Labor, and Support Costs:

175,461

Utility Expenditures for Administration:

12,523

Grand Total of Expenditures:

187,983

Alliant Energy - IPC

Calendar Year 2001 Estimates

Electricity and Natural Gas Fuel and Demand Impacts For All Customer Households Regardless of Funding Source

| | Number of Households with Impacts | | | Count of Households with Electricity Impacts by End-Use | | | Estimated First-Year Savings Electricity | | | | | Average per Treated Household | | | | | | | |
|--------------------------------|-----------------------------------|----------|-----|---|---------|----|--|-----------|--------|------------|---------|-------------------------------|---------------|-------------|------------|------------|---------------|---------------|---------------|
| | | | | | | | Summer | | Winter | | Annual | Gas | | Electricity | | Gas | | | |
| Measure | Total | Electric | Gas | Cooling | Heating | | kW | kWh | kW | kWh | kWh | Pk-Day therms | Annual therms | Summer kW | Winter kWh | Annual kWh | Pk-Day therms | Annual therms | |
| OVERALL | 208 | 202 | 82 | | | | 40.7 | | 17.8 | | 129,801 | 180.1 | 22,392 | 0.114 | 0.048 | 643 | 2.196 | 273 | |
| Gas Ht: Shell & Htg. Sys. Mea. | 208 | 202 | 82 | 190 | 205 | | 31.4 | 23,463 | 6.4 | 13,651 | 37,114 | 177.08 | 21,315 | 0.165 | 123 | 0.031 | 67 | 184 | |
| Wall Insul. | 134 | 133 | 54 | 126 | 134 | | 14.14 | 10,555 | 3.73 | 7,939 | 18,494 | 70.55 | 6,832 | 0.112 | 84 | 0.028 | 59 | 139 | |
| Ceiling Insul. | 181 | 179 | 70 | 167 | 181 | | 15.52 | 11,579 | 2.14 | 4,563 | 16,141 | 36.16 | 3,521 | 0.093 | 69 | 0.012 | 25 | 90 | |
| Infil. Reduction | 193 | 182 | 75 | 182 | 75 | | 1.40 | 1,044 | 0.00 | 0 | 1,044 | 0.00 | 4,254 | - | - | - | - | - | |
| Found./Crawl. Insul. | 47 | 43 | 22 | 40 | 47 | | 0.38 | 285 | 0.36 | 764 | 1,049 | 11.01 | 1,028 | 0.010 | 7 | 0.008 | 16 | 24 | |
| Bandjoist Insul. | 90 | 88 | 54 | - | 90 | | 0.00 | 0 | 0.18 | 385 | 385 | 4.98 | 480 | - | - | 0.002 | 4 | 4 | |
| Hi-Eff Htg Sys Repl | 25 | 0 | 25 | - | 25 | | 0.00 | 0 | 0.00 | 0 | 0 | 41.22 | 3,973 | - | - | 0.000 | 0 | - | |
| Std-Eff Htg Sys Repl | 9 | 0 | 9 | - | 9 | | 0.00 | 0 | 0.00 | 0 | 0 | 11.98 | 1,118 | - | - | 0.000 | 0 | - | |
| Other Htg Sys Repl | 2 | 0 | 2 | - | 2 | | 0.00 | 0 | 0.00 | 0 | 0 | 1.19 | 109 | - | - | 0.000 | 0 | - | |
| Electric Heat: Shell Measures | 1 | 1 | 0 | 1 | 1 | | 0.0 | 27 | 1.3 | 2,752 | 2,779 | 0.00 | 0 | 0.036 | 27 | 1.272 | 2,752 | 2,779 | |
| Wall Insul. | 1 | 1 | 0 | 1 | 1 | | 0.03 | 23 | 1.26 | 2,731 | 2,753 | 0.00 | 0 | 0.031 | 23 | 1.262 | 2,731 | 2,753 | |
| Ceiling Insul. | 0 | 0 | 0 | 0 | 0 | | 0.00 | 0 | 0.00 | 0 | 0 | 0.00 | 0 | - | - | - | - | - | |
| Infil. Reduction | 1 | 1 | 0 | 1 | 1 | | 0.01 | 4 | 0.01 | 22 | 26 | 0.00 | 0 | - | - | - | - | - | |
| Found./Crawl. Insul. | 0 | 0 | 0 | 0 | 0 | | 0.00 | 0 | 0.00 | 0 | 0 | 0.00 | 0 | - | - | - | - | - | |
| Bandjoist Insul. | 0 | 0 | 0 | - | 0 | | 0.00 | 0 | 0.00 | 0 | 0 | 0.00 | 0 | - | - | - | - | - | |
| | Total | Electric | Gas | Number of Measures by Fuel Type | | | Summer kW | Winter kW | | Annual kWh | | Pk-Day therms | Annual therms | Summer kW | Winter kW | | Annual kWh | Pk-Day therms | Annual therms |
| Water Heating | 59 | 28 | 31 | 106 | 30 | 76 | 1.1 | 2.5 | | 14,316 | | 3.6 | 1,179 | 0.038 | 0.089 | | 511 | 0.117 | 38.0 |
| Temp. Reduct. | 8 | 0 | 8 | | | | 0.00 | 0.00 | | 0 | | 0.4 | 142 | - | - | | - | 0.051 | 17.7 |
| WH Wrap | 37 | 16 | 21 | | | | 0.39 | 0.46 | | 3,849 | | 0.9 | 296 | 0.025 | 0.029 | | 241 | 0.041 | 14.1 |
| Pipe Insul. | 46 | 23 | 23 | | | | 0.23 | 0.27 | | 2,262 | | 0.4 | 151 | 0.010 | 0.012 | | 98 | 0.019 | 6.6 |
| LF Showerhead | 34 | 14 | 20 | 50 | 14 | 36 | 0.39 | 1.53 | | 7,137 | | 1.7 | 509 | 0.028 | 0.109 | | 510 | 0.083 | 25.5 |
| Faucet Aerator | 32 | 10 | 22 | 56 | 16 | 40 | 0.06 | 0.23 | | 1,068 | | 0.3 | 82 | 0.006 | 0.023 | | 107 | 0.012 | 3.7 |
| Lighting | 140 | 140 | | 463 | 463 | | 2.2 | 1.6 | | 27,366 | | | | 0.016 | 0.012 | | 195 | - | - |
| Capsylite (42W) | 0 | 0 | | 0 | 0 | | 0.00 | 0.00 | | 0 | | | | - | - | | - | - | - |
| Capsylite (52W) | 8 | 8 | | 37 | 37 | | 0.07 | 0.05 | | 820 | | | | 0.008 | 0.006 | | 102 | - | - |
| Capsylite (72W) | 2 | 2 | | 8 | 8 | | 0.02 | 0.02 | | 308 | | | | 0.012 | 0.009 | | 154 | - | - |
| Capsylite, unknown | 0 | 0 | | 0 | 0 | | 0.00 | 0.00 | | 0 | | | | - | - | | - | - | - |
| CFL (5W) | 0 | 0 | | 0 | 0 | | 0.00 | 0.00 | | 0 | | | | - | - | | - | - | - |
| CFL (7W) | 0 | 0 | | 0 | 0 | | 0.00 | 0.00 | | 0 | | | | - | - | | - | - | - |
| CFL (9W) | 0 | 0 | | 0 | 0 | | 0.00 | 0.00 | | 0 | | | | - | - | | - | - | - |
| CFL (11W) | 1 | 1 | | 3 | 3 | | 0.01 | 0.01 | | 87 | | | | 0.007 | 0.005 | | 87 | - | - |
| CFL (15W) | 33 | 33 | | 120 | 120 | | 0.43 | 0.32 | | 5,399 | | | | 0.013 | 0.010 | | 164 | - | - |
| CFL (18W) | 0 | 0 | | 0 | 0 | | 0.00 | 0.00 | | 0 | | | | - | - | | - | - | - |
| CFL (20W) | 14 | 14 | | 37 | 37 | | 0.16 | 0.12 | | 2,034 | | | | 0.012 | 0.009 | | 145 | - | - |
| CFL (23W) | 43 | 43 | | 152 | 152 | | 0.81 | 0.61 | | 10,179 | | | | 0.019 | 0.014 | | 237 | - | - |
| CFL (25W) | 37 | 37 | | 93 | 93 | | 0.56 | 0.42 | | 6,978 | | | | 0.015 | 0.011 | | 189 | - | - |
| CFL Circline (30W) | 9 | 9 | | 13 | 13 | | 0.12 | 0.09 | | 1,560 | | | | 0.014 | 0.010 | | 173 | - | - |
| CFL, unknown | 0 | 0 | | 0 | 0 | | 0.00 | 0.00 | | 0 | | | | - | - | | - | - | - |
| Waterbed Mattress Pad | 3 | 3 | 3 | 6 | 3 | 3 | 0.00 | 0.87 | | 2,299 | | -0.6 | -103 | 0.000 | 0.290 | | 766 | -0.209 | -34 |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | | 0.0 | 0 | - | - | | - | - | - |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | | 0.0 | 0 | - | - | | - | - | - |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | | 0.0 | 0 | - | - | | - | - | - |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | | 0.0 | 0 | - | - | | - | - | - |
| Unknown | 3 | 3 | 3 | 6 | 3 | 3 | 0.00 | 0.87 | | 2,299 | | -0.6 | -103 | 0.000 | 0.290 | | 766 | -0.209 | -34 |
| Refrigerator/Freezer | 36 | 36 | | 39 | 39 | | 5.99 | 6.43 | | 48,707 | | | | 0.166 | 0.179 | | 1,353 | | |
| Refrigerator Removal | 3 | 3 | | 3 | 3 | | 0.73 | 0.79 | | 5,970 | | | | 0.245 | 0.263 | | 1,990 | - | - |
| Refrigerator Exchange | 25 | 25 | | 28 | 28 | | 4.24 | 4.55 | | 34,502 | | | | 0.170 | 0.182 | | 1,380 | - | - |
| Freezer Removal | 1 | 1 | | 1 | 1 | | 0.17 | 0.18 | | 1,389 | | | | 0.171 | 0.183 | | 1,389 | - | - |
| Freezer Exchange | 7 | 7 | | 7 | 7 | | 0.84 | 0.90 | | 6,846 | | | | 0.120 | 0.129 | | 978 | - | - |

Aquila Networks - PNG
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| | Number of Households with Impacts | | | Count of Households with Electricity Impacts by End-Use | | Spending on Materials & Labor (\$) | Estimated First-Year Savings | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | |
|-----------------------|-----------------------------------|----------|-----|---|---------|------------------------------------|------------------------------|--------------|---------------|---------------|---------------|-------------------|---|------------|---------------|---------------|------------|---------------|-------------------|--|
| | Total | Electric | Gas | Cooling | Heating | | Summer kWh | Electric kWh | Winter kWh | Annual kWh | Pk-Day therms | Gas Annual therms | Spending on Materials & Labor (\$) | Summer kWh | Electric kWh | Winter kWh | Annual kWh | Pk-Day therms | Gas Annual therms | |
| OVERALL | 219 | 211 | 219 | | | 179,601 | 0.0 | 5.3 | 11,119 | 278 | 27,647 | 820.10 | #DIV/0! | 0.024 | | 53 | 1,269 | 126 | | |
| Shell & Htg. Sys. | 217 | 211 | 217 | 0 | 217 | 178,547 | 0.0 | 5.3 | 11,119 | 273 | 26,012 | 822.80 | - | - | 0.024 | 51 | 53 | 1,257 | | |
| Wall Insul. | 130 | 130 | 130 | 0 | 130 | 63,944 | 0.00 | 3.04 | 6,374 | 132 | 12,602 | 491.88 | - | - | 0.023 | 49 | 49 | 1,019 | | |
| Ceiling Insul. | 169 | 169 | 169 | 0 | 169 | 74,497 | 0.00 | 1.80 | 3,787 | 81 | 7,725 | 440.81 | - | - | 0.011 | 22 | 22 | 0,479 | | |
| Infil. Reduction | 88 | 0 | 88 | 0 | 88 | 9,993 | 0.00 | 0.00 | 0 | 23 | 2,140 | 113.56 | - | - | - | - | - | - | | |
| Found./Crawl. Insul. | 40 | 40 | 40 | 0 | 40 | 8,799 | 0.00 | 0.34 | 727 | 17 | 1,646 | 219.97 | - | - | 0.009 | 18 | 18 | 0,428 | | |
| Bandjoist Insul. | 56 | 56 | 56 | - | 56 | 3,462 | 0.00 | 0.11 | 231 | 5 | 441 | 61.81 | - | - | 0.002 | 4 | 4 | 0,082 | | |
| Hi-Eff Htg Sys Repl | 18 | 0 | 18 | - | 18 | 17,852 | 0.00 | 0.00 | 0 | 15 | 1,458 | 991.79 | - | - | 0.000 | 0 | - | 0,830 | | |
| Std-Eff Htg Sys Repl | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | | |
| Other Htg Sys Repl | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | | |
| | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Number of Measures by Fuel Type | | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | | | | |
| Water Heating | 82 | 0 | 82 | 161 | 0 | 161 | 1,055 | 0.0 | 0.0 | 0 | 5.1 | 1,636 | 12.86 | - | - | - | 0.062 | 20 | | |
| Temp. Reduct. | 0 | 0 | 0 | | | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0.00 | - | - | - | - | - | | |
| WH Wrap | 15 | 0 | 15 | | | 248 | 0.00 | 0.00 | 0 | 0.5 | 189 | 16.53 | - | - | - | - | 0.036 | 13 | | |
| Pipe Insul. | 62 | 0 | 62 | | | 204 | 0.00 | 0.00 | 0 | 1.1 | 370 | 3.29 | - | - | - | - | 0.017 | 6 | | |
| LF Showerhead | 37 | 0 | 37 | 41 | 0 | 41 | 277 | 0.00 | 0.00 | 0 | 2.7 | 837 | 7.49 | - | - | - | 0.074 | 23 | | |
| Faucet Aerator | 68 | 0 | 68 | 120 | 0 | 120 | 326 | 0.00 | 0.00 | 0 | 0.8 | 239 | 4.79 | - | - | - | 0.011 | 4 | | |
| Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| Capsylite (42W) | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| Capsylite (52W) | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| Capsylite (72W) | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| Capsylite, unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| CFL (5W) | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| CFL (7W) | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| CFL (9W) | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| CFL (11W) | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| CFL (15W) | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| CFL (18W) | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| CFL (20W) | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| CFL (23W) | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| CFL (25W) | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| CFL Circline (30W) | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| CFL, unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| Waterbed Mattress Pad | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| Refrigerator/Freezer | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| Refrigerator Removal | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| Refrigerator Exchange | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| Freezer Removal | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |
| Freezer Exchange | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | - | 0.00 | - | - | - | - | - | | |

Costs for Measures Without Energy Impacts Installed in 219 Total Households with Spending and/or Energy Impacts:

| | | | |
|-----------------------------|----|--------------|-------|
| Total | | 2,788 | |
| Unspecified Insul. | 41 | 2,725 | 66.46 |
| Duct Insulation | 3 | 63 | 21.13 |
| Duct Sealing | 0 | 0 | 0.00 |
| Damming Material | 0 | 0 | 0.00 |
| Htg. Sys. Tune & Clean | 0 | 0 | 0.00 |
| Htg. Sys./WH Other | 0 | 0 | 0.00 |
| Space Heater Repl. | 0 | 0 | 0.00 |
| Air Conditioning Work | 0 | 0 | 0.00 |
| Water Heater Repl. | 0 | 0 | 0.00 |
| Water Heater Repair | 0 | 0 | 0.00 |
| Refrigerator Coil Clean | 0 | 0 | 0.00 |
| Unspecified Utility Meas | 0 | 0 | 0.00 |
| Asbestos Abatement | 0 | 0 | 0.00 |
| CO Detector | 0 | 0 | 0.00 |
| Smoke Detector | 0 | 0 | 0.00 |
| Fuses | 0 | 0 | 0.00 |
| Htg Sys Safety Check | 0 | 0 | 0.00 |
| Exhaust Ventilation | 0 | 0 | 0.00 |
| Health/Safety Repairs | 0 | 0 | 0.00 |
| Health/Safety Other | 0 | 0 | 0.00 |
| Consumables | 0 | 0 | 0.00 |
| Preservation | 0 | 0 | 0.00 |
| Roof Repairs | 0 | 0 | 0.00 |
| General Repairs | 0 | 0 | 0.00 |
| Evaluator Labor | 0 | 0 | 0.00 |
| Inspector Labor | 0 | 0 | 0.00 |
| Eval/Insp Labor | 0 | 0 | 0.00 |
| Meter Refrigerator (no act) | 0 | 0 | 0.00 |
| Meter Freezer (no action) | 0 | 0 | 0.00 |
| Support | 0 | 0 | 0.00 |
| Landlord | 0 | 0 | 0.00 |
| Landlord | 0 | 0 | 0.00 |
| Landlord | 0 | 0 | 0.00 |
| Warehouse | 0 | 0 | 0.00 |
| Unspecified | 0 | 0 | 0.00 |

Total Reported Materials, Labor, and Support Costs: 182,390
Utility Expenditures for Administration: 9,656
Grand Total of Expenditures: 192,046

Aquila Networks - PNG

Calendar Year 2001 Estimates

Electricity and Natural Gas Fuel and Demand Impacts For All Customer Households Regardless of Funding Source

| | Number of Households with Impacts | | | Count of Households with Electricity Impacts by End-Use | | | Estimated First-Year Savings Electricity | | | | | Average per Treated Household | | | | | | | | |
|--------------------------------|-----------------------------------|----------|-----|---|----------|-----|--|-----|-----------|-----|------------|-------------------------------|---------------|-------------|-----------|------------|---------------|---------------|---------------|---------------|
| | Total | Electric | Gas | Cooling | Heating | | Summer | | Winter | | Annual kWh | Gas | | Electricity | | | Gas | | | |
| Measure | | | | | | | kW | kWh | kW | kWh | | Pk-Day therms | Annual therms | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | | |
| OVERALL | 290 | 0 | 290 | | | | 0.0 | | 0.0 | | 0 | 643.7 | 76,550 | - | - | - | 2.220 | 264 | | |
| Gas Ht: Shell & Htg. Sys. Mea. | 289 | 0 | 289 | 0 | 289 | | 0.0 | 0 | 0.0 | 0 | 0 | 637.22 | 74,424 | - | - | 0.000 | 0 | - | 2.205 | 258 |
| Wall Insul. | 0 | 0 | 186 | 0 | 186 | | 0.00 | 0 | 0.00 | 0 | 0 | 250.00 | 23,811 | - | - | 0.000 | 0 | - | 1.344 | 128.0 |
| Ceiling Insul. | 245 | 0 | 245 | 0 | 245 | | 0.00 | 0 | 0.00 | 0 | 0 | 131.47 | 12,528 | - | - | 0.000 | 0 | - | 0.537 | 51.1 |
| Infil. Reduction | 272 | 0 | 272 | 0 | 272 | | 0.00 | 0 | 0.00 | 0 | 0 | 0.00 | 13,629 | - | - | - | - | - | - | - |
| Found./Crawl. Insul. | 76 | 0 | 76 | 0 | 76 | | 0.00 | 0 | 0.00 | 0 | 0 | 40.98 | 3,880 | - | - | 0.000 | 0 | - | 0.539 | 51.1 |
| Bandjoist Insul. | 98 | 0 | 98 | - | 98 | | 0.00 | 0 | 0.00 | 0 | 0 | 7.85 | 747 | - | - | 0.000 | 0 | - | 0.080 | 7.6 |
| Hi-Eff Htg Sys Repl | 48 | 0 | 48 | - | 48 | | 0.00 | 0 | 0.00 | 0 | 0 | 98.53 | 9,590 | - | - | 0.000 | 0 | - | 2.053 | 199.8 |
| Std-Eff Htg Sys Repl | 87 | 0 | 87 | - | 87 | | 0.00 | 0 | 0.00 | 0 | 0 | 104.16 | 9,849 | - | - | 0.000 | 0 | - | 1.197 | 113.2 |
| Other Htg Sys Repl | 2 | 0 | 2 | - | 2 | | 0.00 | 0 | 0.00 | 0 | 0 | 4.22 | 389 | - | - | 0.000 | 0 | - | - | - |
| Electric Heat: Shell Measures | 0 | 0 | 0 | 0 | 0 | | 0.0 | 0 | 0.0 | 0 | 0 | 0.00 | 0 | - | - | - | - | - | - | - |
| Wall Insul. | 0 | 0 | 0 | 0 | 0 | | 0.00 | 0 | 0.00 | 0 | 0 | 0.00 | 0 | - | - | - | - | - | - | - |
| Ceiling Insul. | 0 | 0 | 0 | 0 | 0 | | 0.00 | 0 | 0.00 | 0 | 0 | 0.00 | 0 | - | - | - | - | - | - | - |
| Infil. Reduction | 0 | 0 | 0 | 0 | 0 | | 0.00 | 0 | 0.00 | 0 | 0 | 0.00 | 0 | - | - | - | - | - | - | - |
| Found./Crawl. Insul. | 0 | 0 | 0 | 0 | 0 | | 0.00 | 0 | 0.00 | 0 | 0 | 0.00 | 0 | - | - | - | - | - | - | - |
| Bandjoist Insul. | 0 | 0 | 0 | - | 0 | | 0.00 | 0 | 0.00 | 0 | 0 | 0.00 | 0 | - | - | - | - | - | - | - |
| | | | | Number of Measures by Fuel Type | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Total | Electric | Gas | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms |
| Water Heating | 111 | 0 | 111 | 200 | 0 | 200 | 0.0 | | 0.0 | | 0 | 6.8 | 2,186 | - | | - | | - | 0.061 | 19.7 |
| Temp. Reduct. | 0 | 0 | 0 | | | | 0.00 | | 0.00 | | 0 | 0.0 | 0 | - | | - | | - | - | - |
| WH Wrap | 19 | 0 | 19 | | | | 0.00 | | 0.00 | | 0 | 0.7 | 250 | - | | - | | - | 0.038 | 13.2 |
| Pipe Insul. | 85 | 0 | 85 | | | | 0.00 | | 0.00 | | 0 | 1.5 | 515 | - | | - | | - | 0.017 | 6.1 |
| LF Showerhead | 48 | 0 | 48 | 52 | 0 | 52 | 0.00 | | 0.00 | | 0 | 3.7 | 1,132 | - | | - | | - | 0.077 | 23.6 |
| Faucet Aerator | 81 | 0 | 81 | 148 | 0 | 148 | 0.00 | | 0.00 | | 0 | 0.9 | 289 | - | | - | | - | 0.012 | 3.6 |
| Lighting | 0 | 0 | | 0 | 0 | | 0.0 | | 0.0 | | 0 | | | - | | - | | - | - | - |
| Capsylite (42W) | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |
| Capsylite (52W) | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |
| Capsylite (72W) | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |
| Capsylite, unknown | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |
| CFL (5W) | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |
| CFL (7W) | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |
| CFL (9W) | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |
| CFL (11W) | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |
| CFL (15W) | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |
| CFL (18W) | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |
| CFL (20W) | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |
| CFL (23W) | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |
| CFL (25W) | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |
| CFL Circline (30W) | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |
| CFL, unknown | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |
| Waterbed Mattress Pad | 2 | 0 | 2 | 2 | 0 | 2 | 0.00 | | 0.00 | | 0 | -0.4 | -60 | - | | - | | - | -0.182 | -30 |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | - | | - | | - | - | - |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | - | | - | | - | - | - |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | - | | - | | - | - | - |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | - | | - | | - | - | - |
| Unknown | 2 | 0 | 2 | 2 | 0 | 2 | 0.00 | | 0.00 | | 0 | -0.4 | -60 | - | | - | | - | -0.182 | -30 |
| Refrigerator/Freezer | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |
| Refrigerator Removal | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |
| Refrigerator Exchange | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |
| Freezer Removal | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |
| Freezer Exchange | 0 | 0 | | 0 | 0 | | 0.00 | | 0.00 | | 0 | | | - | | - | | - | - | - |

MidAmerican Energy
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| | Number of Households with Impacts | | | Count of Households with Electricity Impacts by End-Use | | Spending on Materials & Labor (\$) | Estimated First-Year Savings | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | |
|-----------------------|-----------------------------------|----------|-----|---|---------|------------------------------------|------------------------------|------------|------------|---------------|-------------------|---|------------|------------|------------|---------------|-------------------|-----|-----|-------|-----|
| Measure | Total | Electric | Gas | Cooling | Heating | | Summer kWh | Winter kWh | Annual kWh | Pk-Day therms | Gas Annual therms | Spending on Materials & Labor (\$) | Summer kWh | Winter kWh | Annual kWh | Pk-Day therms | Gas Annual therms | | | | |
| OVERALL | 696 | 683 | 551 | | | 694,370 | 71.3 | 32.4 | 156,733 | 930 | 90,135 | 997.66 | 0.098 | 0.039 | 229 | 1.687 | 164 | | | | |
| Shell & Htg. Sys. | 619 | 618 | 531 | 423 | 534 | 676,380 | 66.9 | 51,395 | 23.4 | 47,626 | 99,021 | 912 | 84,229 | 1092.70 | 0.158 | 122 | 0.044 | 89 | 160 | 1,718 | 159 |
| Wall Insul. | 408 | 408 | 346 | 286 | 347 | 305,980 | 31.49 | 24,173 | 11.69 | 23,900 | 48,073 | 529 | 48,877 | 749.95 | 0.110 | 85 | 0.034 | 69 | 118 | 1,529 | 141 |
| Ceiling Insul. | 501 | 501 | 426 | 339 | 428 | 243,289 | 35.04 | 26,900 | 7.07 | 14,457 | 41,357 | 231 | 21,411 | 485.61 | 0.103 | 79 | 0.017 | 34 | 83 | 0.543 | 50 |
| Infil. Reduction | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - |
| Found./Crawl. Insul. | 205 | 205 | 178 | 110 | 179 | 80,742 | 0.42 | 322 | 4.05 | 8,051 | 8,373 | 102 | 9,322 | 393.86 | 0.004 | 3 | 0.023 | 45 | 41 | 0.574 | 52 |
| Bandjoist Insul. | 222 | 222 | 221 | - | 222 | 18,584 | 0.00 | 0 | 0.59 | 1,218 | 1,218 | 20 | 1,834 | 83.71 | - | - | 0.003 | 5 | 5 | 0.090 | 8 |
| Hi-Eff Htg Sys Repl | 18 | 0 | 18 | - | 18 | 27,786 | 0.00 | 0 | 0.00 | 0 | 0 | 30 | 2,785 | 1543.68 | - | - | 0.000 | 0 | - | 1.644 | 155 |
| Std-Eff Htg Sys Repl | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - |
| Other Htg Sys Repl | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - |
| | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Number of Measures by Fuel Type | | | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | | | | |
| Water Heating | 324 | 23 | 300 | 363 | 33 | 327 | 5,727 | 0.5 | 1.3 | 7,650 | 18.2 | 6,013 | 17.68 | 0.023 | 0.057 | 333 | 0.061 | 20 | | | |
| Temp. Reduct. | 26 | 1 | 25 | | | | 0 | -0.01 | -0.01 | (116) | 2.2 | 768 | 0.00 | -0.012 | -0.014 | (116) | 0.089 | 31 | | | |
| WH Wrap | 93 | 3 | 90 | | | | 1,798 | 0.07 | 0.09 | 722 | 3.7 | 1,301 | 19.34 | 0.025 | 0.029 | 241 | 0.042 | 14 | | | |
| Pipe Insul. | 278 | 16 | 261 | | | | 2,651 | 0.16 | 0.19 | 1,574 | 4.8 | 1,663 | 9.54 | 0.010 | 0.012 | 98 | 0.018 | 6 | | | |
| LF Showerhead | 79 | 10 | 68 | 86 | 10 | 75 | 553 | 0.26 | 0.87 | 4,558 | 5.9 | 1,814 | 7.00 | 0.026 | 0.087 | 456 | 0.087 | 27 | | | |
| Faucet Aerator | 148 | 14 | 133 | 277 | 23 | 252 | 724 | 0.05 | 0.17 | 913 | 1.5 | 466 | 4.89 | 0.004 | 0.012 | 65 | 0.011 | 4 | | | |
| Lighting | 281 | 281 | | 1,001 | 1,001 | | 12,151 | 3.9 | 6.0 | 45,464 | | | 43.24 | 0.014 | 0.021 | 162 | - | - | | | |
| Capsylite (42W) | 13 | 13 | | 46 | 46 | | 230 | 0.10 | 0.16 | 1,233 | | | 17.69 | 0.008 | 0.012 | 95 | | | | | |
| Capsylite (52W) | 100 | 100 | | 379 | 379 | | 2,230 | 0.71 | 1.10 | 8,399 | | | 22.30 | 0.007 | 0.011 | 84 | | | | | |
| Capsylite (72W) | 57 | 57 | | 65 | 65 | | 668 | 0.21 | 0.33 | 2,501 | | | 11.73 | 0.004 | 0.006 | 44 | | | | | |
| Capsylite, unknown | 0 | 0 | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | 0.00 | - | - | - | | | | | |
| CFL (5W) | 0 | 0 | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | 0.00 | - | - | - | | | | | |
| CFL (7W) | 0 | 0 | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | 0.00 | - | - | - | | | | | |
| CFL (9W) | 0 | 0 | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | 0.00 | - | - | - | | | | | |
| CFL (11W) | 3 | 3 | | 8 | 8 | | 145 | 0.02 | 0.03 | 232 | | | 48.44 | 0.007 | 0.010 | 77 | | | | | |
| CFL (15W) | 19 | 19 | | 49 | 49 | | 562 | 0.19 | 0.29 | 2,205 | | | 29.58 | 0.010 | 0.015 | 116 | | | | | |
| CFL (18W) | 2 | 2 | | 10 | 10 | | 170 | 0.05 | 0.07 | 570 | | | 85.00 | 0.024 | 0.037 | 285 | | | | | |
| CFL (20W) | 58 | 58 | | 199 | 199 | | 3,403 | 0.93 | 1.43 | 10,941 | | | 58.68 | 0.016 | 0.025 | 189 | | | | | |
| CFL (23W) | 54 | 54 | | 127 | 127 | | 2,464 | 0.72 | 1.11 | 8,505 | | | 45.63 | 0.013 | 0.021 | 158 | | | | | |
| CFL (25W) | 41 | 41 | | 73 | 73 | | 1,432 | 0.46 | 0.72 | 5,478 | | | 34.94 | 0.011 | 0.017 | 134 | | | | | |
| CFL Circline (30W) | 32 | 32 | | 45 | 45 | | 845 | 0.46 | 0.71 | 5,401 | | | 26.42 | 0.014 | 0.022 | 169 | | | | | |
| CFL, unknown | 0 | 0 | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | 0.00 | - | - | - | | | | | |
| Waterbed Mattress Pad | 5 | 5 | 2 | 9 | 6 | 3 | 113 | 0.00 | 1.74 | 4,598 | -0.6 | -107 | 22.52 | 0.000 | 0.349 | 920 | -0.324 | -53 | | | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0.00 | - | - | - | - | - | | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0.00 | - | - | - | - | - | | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0.00 | - | - | - | - | - | | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0.00 | - | - | - | - | - | | | |
| Unknown | 5 | 5 | 2 | 9 | 6 | 3 | 113 | 0.00 | 1.74 | 4,598 | -0.6 | -107 | 22.52 | 0.000 | 0.349 | 920 | -0.324 | -53 | | | |
| Refrigerator/Freezer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | | | |
| Refrigerator Removal | 0 | 0 | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | 0.00 | - | - | - | - | - | | | |
| Refrigerator Exchange | 0 | 0 | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | 0.00 | - | - | - | - | - | | | |
| Freezer Removal | 0 | 0 | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | 0.00 | - | - | - | - | - | | | |
| Freezer Exchange | 0 | 0 | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | 0.00 | - | - | - | - | - | | | |

Costs for Measures Without Energy Impacts Installed in 697 Total Households with Spending and/or Energy Impacts:

| | | | |
|-----------------------------|-----|---------------|--------|
| Total | | 76,915 | |
| Unspecified Insul. | 6 | 185 | 30.78 |
| Duct Insulation | 4 | 62 | 15.46 |
| Duct Sealing | 0 | 0 | 0.00 |
| Damming Material | 0 | 0 | 0.00 |
| Htg. Sys. Tune & Clean | 0 | 0 | 0.00 |
| Htg. Sys./WH Other | 0 | 0 | 0.00 |
| Space Heater Repl. | 0 | 0 | 0.00 |
| Air Conditioning Work | 0 | 0 | 0.00 |
| Water Heater Repl. | 4 | 1,575 | 393.75 |
| Water Heater Repair | 0 | 0 | 0.00 |
| Refrigerator Coil Clean | 0 | 0 | 0.00 |
| Unspecified Utility Meas | 0 | 0 | 0.00 |
| Asbestos Abatement | 0 | 0 | 0.00 |
| CO Detector | 0 | 0 | 0.00 |
| Smoke Detector | 0 | 0 | 0.00 |
| Fuses | 0 | 0 | 0.00 |
| Htg Sys Safety Check | 0 | 0 | 0.00 |
| Exhaust Ventilation | 0 | 0 | 0.00 |
| Health/Safety Repairs | 0 | 0 | 0.00 |
| Health/Safety Other | 0 | 0 | 0.00 |
| Consumables | 0 | 0 | 0.00 |
| Preservation | 0 | 0 | 0.00 |
| Roof Repairs | 0 | 0 | 0.00 |
| General Repairs | 1 | 3 | 3.21 |
| Evaluator Labor | 0 | 0 | 0.00 |
| Inspector Labor | 0 | 0 | 0.00 |
| Eval/Insp Labor | 0 | 0 | 0.00 |
| Meter Refrigerator (no act) | 0 | 0 | 0.00 |
| Meter Freezer (no action) | 0 | 0 | 0.00 |
| Support | 536 | 75,090 | 140.09 |
| Landlord | 0 | 0 | 0.00 |
| Landlord | 0 | 0 | 0.00 |
| Warehouse | 0 | 0 | 0.00 |
| Unspecified | 0 | 0 | 0.00 |

Total Reported Materials, Labor, and Support Costs: 771,285
Utility Expenditures for Administration: 30,562
Grand Total of Expenditures: 801,847

MidAmerican Energy
Calendar Year 2001 Estimates
Electricity and Natural Gas Fuel and Demand Impacts For All Customer Households Regardless of Funding Source

| | Number of Households with Impacts | | | Count of Households with Electricity Impacts by End-Use | | | Estimated First-Year Savings Electricity | | | | | Gas | | Average per Treated Household | | | | | | Gas | |
|--------------------------------|-----------------------------------|----------|-----|---|---------|-----|--|------------|-----------|------------|------------|---------------|---------------|-------------------------------|------------|-----------|------------|------------|---------------|---------------|--|
| Measure | Total | Electric | Gas | Cooling | Heating | | Summer kW | Summer kWh | Winter kW | Winter kWh | Annual kWh | Pk-Day therms | Annual therms | Summer kW | Summer kWh | Winter kW | Winter kWh | Annual kWh | Pk-Day therms | Annual therms | |
| OVERALL | 929 | 722 | 788 | | | | 152.7 | | 57.9 | | 371,840 | 1,966.1 | 239,268 | 0.138 | | 0.042 | | 515 | 2.495 | 304 | |
| Gas Ht: Shell & Htg. Sys. Mea. | 925 | 715 | 787 | 653 | 920 | | 130.3 | 100,022 | 27.3 | 56,007 | 156,029 | 1,935.89 | 228,961 | 0.200 | 153 | 0.030 | 61 | 218 | 2.460 | 291 | |
| Wall Insul. | 0 | 498 | 514 | 458 | 612 | | 52.66 | 40,427 | 16.36 | 33,546 | 73,972 | 827.30 | 76,416 | 0.115 | 88 | 0.027 | 55 | 149 | 1.610 | 148.7 | |
| Ceiling Insul. | 0 | 621 | 654 | 573 | 772 | | 68.09 | 52,274 | 7.29 | 14,964 | 67,239 | 373.32 | 34,554 | 0.119 | 91 | 0.009 | 19 | 108 | 0.571 | 52.8 | |
| Infil. Reduction | 0 | 646 | 773 | 646 | 773 | | 8.11 | 6,225 | 0.00 | 0 | 6,225 | 0.00 | 50,250 | - | - | - | - | - | - | - | |
| Found./Crawl. Insul. | 0 | 221 | 275 | 193 | 317 | | 1.43 | 1,096 | 3.01 | 6,099 | 7,195 | 170.12 | 15,540 | 0.007 | 6 | 0.009 | 19 | 33 | 0.619 | 56.5 | |
| Bandjoist Insul. | 0 | 328 | 365 | - | 415 | | 0.00 | 0 | 0.68 | 1,398 | 1,398 | 32.19 | 2,968 | - | - | 0.002 | 3 | 4 | 0.088 | 8.1 | |
| Hi-Eff Htg Sys Repl | 0 | 0 | 132 | - | 132 | | 0.00 | 0 | 0.00 | 0 | 0 | 275.30 | 25,621 | - | - | 0.000 | 0 | - | 2.086 | 194.1 | |
| Std-Eff Htg Sys Repl | 0 | 0 | 205 | - | 205 | | 0.00 | 0 | 0.00 | 0 | 0 | 247.04 | 22,625 | - | - | 0.000 | 0 | - | 1.205 | 110.4 | |
| Other Htg Sys Repl | 0 | 0 | 8 | - | 8 | | 0.00 | 0 | 0.00 | 0 | 0 | 10.62 | 988 | - | - | 0.000 | 0 | - | - | - | |
| Electric Heat: Shell Measures | 6 | 6 | 0 | 5 | 5 | | 0.6 | 464 | 8.9 | 18,117 | 18,581 | 0.00 | 0 | 0.121 | 93 | 1.786 | 3,623 | 3,097 | - | - | |
| Wall Insul. | 2 | 2 | 0 | 2 | 2 | | 0.12 | 95 | 3.40 | 6,996 | 7,092 | 0.00 | 0 | 0.062 | 48 | 1.700 | 3,498 | 3,546 | - | - | |
| Ceiling Insul. | 3 | 3 | 0 | 3 | 3 | | 0.31 | 239 | 2.89 | 5,874 | 6,112 | 0.00 | 0 | 0.104 | 80 | 0.963 | 1,958 | 2,037 | - | - | |
| Infil. Reduction | 5 | 5 | 0 | 4 | 4 | | 0.05 | 42 | 0.69 | 1,408 | 1,450 | 0.00 | 0 | - | - | - | - | - | - | - | |
| Found./Crawl. Insul. | 2 | 2 | 0 | 2 | 2 | | 0.11 | 88 | 1.75 | 3,429 | 3,517 | 0.00 | 0 | 0.057 | 44 | 0.877 | 1,715 | 1,759 | - | - | |
| Bandjoist Insul. | 2 | 2 | 0 | - | 2 | | 0.00 | 0 | 0.19 | 410 | 410 | 0.00 | 0 | - | - | 0.097 | 205 | 205 | - | - | |
| | Total | Electric | Gas | Number of Measures by Fuel Type | | | Summer kW | Winter kW | | | Annual kWh | Pk-Day therms | Annual therms | Summer kW | Winter kW | | | Annual kWh | Pk-Day therms | Annual therms | |
| Water Heating | 506 | 41 | 464 | 652 | 54 | 595 | 1.1 | 2.4 | | | 14,783 | 33.0 | 10,767 | 0.027 | 0.059 | | | 361 | 0.071 | 23.2 | |
| Temp. Reduct. | 38 | 1 | 37 | | | | -0.01 | -0.01 | | | (116) | 3.3 | 1,150 | -0.012 | -0.014 | | | (116) | 0.090 | 31.1 | |
| WH Wrap | 142 | 11 | 131 | | | | 0.27 | 0.32 | | | 2,646 | 5.4 | 1,875 | 0.025 | 0.029 | | | 241 | 0.041 | 14.3 | |
| Pipe Insul. | 419 | 30 | 388 | | | | 0.30 | 0.35 | | | 2,951 | 7.1 | 2,465 | 0.010 | 0.012 | | | 98 | 0.018 | 6.4 | |
| LF Showerhead | 166 | 17 | 148 | 192 | 17 | 174 | 0.45 | 1.52 | | | 7,955 | 14.4 | 4,440 | 0.027 | 0.090 | | | 468 | 0.098 | 30.0 | |
| Faucet Aerator | 239 | 22 | 216 | 460 | 37 | 421 | 0.08 | 0.26 | | | 1,347 | 2.7 | 837 | 0.003 | 0.012 | | | 61 | 0.013 | 3.9 | |
| Lighting | 416 | 416 | | 1,473 | 1,473 | | 6.5 | 10.0 | | | 76,097 | | | 0.016 | 0.024 | | | 183 | - | - | |
| Capsylite (42W) | 13 | 13 | | 46 | 46 | | 0.10 | 0.16 | | | 1,233 | | | 0.008 | 0.012 | | | 95 | | | |
| Capsylite (52W) | 100 | 100 | | 379 | 379 | | 0.71 | 1.10 | | | 8,399 | | | 0.007 | 0.011 | | | 84 | | | |
| Capsylite (72W) | 57 | 57 | | 65 | 65 | | 0.21 | 0.33 | | | 2,501 | | | 0.004 | 0.006 | | | 44 | | | |
| Capsylite, unknown | 0 | 0 | | 0 | 0 | | 0.00 | 0.00 | | | 0 | | | - | - | | | - | | | |
| CFL (5W) | 0 | 0 | | 0 | 0 | | 0.00 | 0.00 | | | 0 | | | - | - | | | - | | | |
| CFL (7W) | 0 | 0 | | 0 | 0 | | 0.00 | 0.00 | | | 0 | | | - | - | | | - | | | |
| CFL (9W) | 0 | 0 | | 0 | 0 | | 0.00 | 0.00 | | | 0 | | | - | - | | | - | | | |
| CFL (11W) | 5 | 5 | | 12 | 12 | | 0.03 | 0.05 | | | 348 | | | 0.006 | 0.009 | | | 70 | | | |
| CFL (15W) | 30 | 30 | | 79 | 79 | | 0.30 | 0.47 | | | 3,554 | | | 0.010 | 0.016 | | | 118 | | | |
| CFL (18W) | 2 | 2 | | 10 | 10 | | 0.05 | 0.07 | | | 570 | | | 0.024 | 0.037 | | | 285 | | | |
| CFL (20W) | 87 | 87 | | 274 | 274 | | 1.28 | 1.97 | | | 15,065 | | | 0.015 | 0.023 | | | 173 | | | |
| CFL (23W) | 111 | 111 | | 399 | 399 | | 2.26 | 3.50 | | | 26,721 | | | 0.020 | 0.032 | | | 241 | | | |
| CFL (25W) | 64 | 64 | | 164 | 164 | | 1.04 | 1.61 | | | 12,306 | | | 0.016 | 0.025 | | | 192 | | | |
| CFL Circline (30W) | 32 | 32 | | 45 | 45 | | 0.46 | 0.71 | | | 5,401 | | | 0.014 | 0.022 | | | 169 | | | |
| CFL, unknown | 0 | 0 | | 0 | 0 | | 0.00 | 0.00 | | | 0 | | | - | - | | | - | | | |
| Waterbed Mattress Pad | 15 | 8 | 12 | 23 | 9 | 14 | 0.00 | 2.61 | | | 6,897 | -2.8 | -460 | 0.000 | 0.327 | | | 862 | -0.233 | -38 | |
| King | 5 | 0 | 5 | 5 | 0 | 5 | 0.00 | 0.00 | | | 0 | -1.0 | -159 | - | - | | | - | -0.193 | -32 | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | | 0 | 0.0 | 0 | - | - | | | - | - | - | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | | 0 | 0.0 | 0 | - | - | | | - | - | - | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | | 0 | 0.0 | 0 | - | - | | | - | - | - | |
| Unknown | 10 | 8 | 7 | 18 | 9 | 9 | 0.00 | 2.61 | | | 6,897 | -1.8 | -301 | 0.000 | 0.327 | | | 862 | -0.261 | -43 | |
| Refrigerator/Freezer | 84 | 84 | | 88 | 88 | | 14.91 | 15.58 | | | 118,034 | | | 0.178 | 0.185 | | | 1,405 | | | |
| Refrigerator Removal | 11 | 11 | | 11 | 11 | | 2.77 | 2.89 | | | 21,890 | | | 0.251 | 0.263 | | | 1,990 | - | - | |
| Refrigerator Exchange | 52 | 52 | | 55 | 55 | | 9.22 | 9.63 | | | 72,984 | | | 0.177 | 0.185 | | | 1,404 | - | - | |
| Freezer Removal | 3 | 3 | | 4 | 4 | | 0.70 | 0.73 | | | 5,556 | | | 0.234 | 0.244 | | | 1,852 | - | - | |
| Freezer Exchange | 18 | 18 | | 18 | 18 | | 2.22 | 2.32 | | | 17,604 | | | 0.124 | 0.129 | | | 978 | - | - | |

5. DETAILED SPENDING AND IMPACT PROFILES BY AGENCY

This section provides tables of spending and impacts by agency for all expenditures in 2001.

Energy impacts were estimated according to the statewide algorithms, which include agency-specific adjustments beginning this year. See notes regarding waterbed mattress and water heater measure savings on page 31.

Community Opportunity
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | | | | |
|---|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|---------|----------|-------------|------------------------------|------------|---------------|---------------|---------------|-----------------|---|---------------|------------------------------------|-----------------|------------------|---------------|---------------|------------|---------------|-----------|-----|-----------------|------------------|---------------|-----------------|------------------|------------|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Summer | | Electricity | | Annual kWh | Pk-Day therms | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Summer | | Electricity | | Annual kWh | Pk-Day therms | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | | | |
| | | | | | | | | | | kW | kWh | kW | kWh | | | Annual therms | Annual therms | | | | | kW | kWh | Annual therms | Annual therms | | | | | | | | | | |
| OVERALL | 72 | 72 | 68 | 4 | 1 | 0 | | | 529,814 | 51.0 | | 31.2 | | 169,529 | 486 | 46,169 | | 3,167 | 308 | 0 | 7358.53 | 0.418 | | 0.240 | | 2,355 | 7.143 | 679 | 792 | 308 | - | | | | |
| Shell & Htg. Sys. | 72 | 71 | 65 | 4 | 1 | 0 | 64 | 72 | 491,281 | 37.9 | 28,817 | 16.8 | 34,730 | 63,547 | 484 | 45,427 | 3,153 | 308 | 0 | 6823.34 | 0.593 | 450 | 0.233 | 482 | 895 | 7,440 | 699 | 788 | 308 | - | | | | | |
| Wall Insul. | 60 | 60 | 55 | 3 | 0 | 0 | 54 | 60 | 166,214 | 12.45 | 9,456 | 9.82 | 20,310 | 29,767 | 194 | 18,195 | 924 | 0 | 0 | 2770.23 | 0.231 | 175 | 0.164 | 339 | 496 | 3,525 | 331 | 308 | - | - | | | | | |
| Ceiling Insul. | 70 | 70 | 63 | 4 | 1 | 0 | 63 | 70 | 129,259 | 21.50 | 16,348 | 5.70 | 11,803 | 28,152 | 82 | 7,647 | 585 | 85 | 0 | 1846.56 | 0.341 | 259 | 0.081 | 169 | 402 | 1,294 | 121 | 146 | 85 | - | | | | | |
| Infil. Reduction | 68 | 61 | 61 | 3 | 1 | 0 | 61 | 67 | 21,846 | 3.25 | 2,473 | 0.66 | 1,347 | 3,820 | 67 | 6,264 | 164 | 223 | 0 | 321.26 | - | - | - | - | - | - | - | 55 | 223 | - | | | | | |
| Found./Crawl. Insul. | 19 | 19 | 19 | 0 | 0 | 0 | 16 | 19 | 14,722 | 0.71 | 540 | 0.49 | 1,021 | 1,560 | 25 | 2,328 | 0 | 0 | 0 | 774.83 | 0.044 | 34 | 0.026 | 54 | 82 | 1,314 | 123 | - | - | - | | | | | |
| Bandjoist Insul. | 35 | 35 | 34 | 1 | 0 | 0 | - | 35 | 6,563 | 0.00 | 0 | 0.12 | 249 | 249 | 5 | 514 | 19 | 0 | 0 | 187.53 | - | - | 0.003 | 7 | 7 | 0.161 | 15 | 19 | - | - | | | | | |
| Hi-Eff Htg Sys Repl | 13 | 0 | 11 | 2 | 0 | 0 | - | 13 | 56,874 | 0.00 | 0 | 0.00 | 0 | 0 | 42 | 4,032 | 918 | 0 | 0 | 4374.88 | - | - | 0.000 | 0 | - | 3,848 | 367 | 459 | - | - | | | | | |
| Std-Eff Htg Sys Repl | 24 | 0 | 22 | 2 | 0 | 0 | - | 24 | 78,417 | 0.00 | 0 | 0.00 | 0 | 0 | 57 | 5,359 | 542 | 0 | 0 | 3267.39 | - | - | 0.000 | 0 | - | 2,610 | 244 | 271 | - | - | | | | | |
| Other Htg Sys Repl | 4 | 0 | 4 | 0 | 0 | 0 | - | 4 | 17,386 | 0.00 | 0 | 0.00 | 0 | 0 | 11 | 1,088 | 0 | 0 | 0 | 4346.50 | - | - | 0.000 | 0 | - | 2,841 | 272 | - | - | - | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | | Summer kW | | Winter kW | | Annual kWh | | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu |
| Water Heating | 69 | 11 | 57 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 548 | 0.2 | | 0.3 | | 2,164 | 2.1 | 732 | 15 | 0 | 0 | 7.94 | 0.020 | | 0.024 | | 197 | 0.037 | 13 | 15 | - | - | |
| Temp. Reduct. | 1 | 0 | 1 | 0 | 0 | 0 | | | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.2 | 65 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | 0.188 | 65 | - | - | | |
| WH Wrap | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Pipe Insul. | 69 | 11 | 57 | 1 | 0 | 0 | | | | | | | 410 | 0.22 | | 0.26 | | 2,164 | 1.9 | 667 | 15 | 0 | 0 | 5.94 | 0.020 | | 0.024 | | 197 | 0.034 | 12 | 15 | - | - | |
| LF Showerhead | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Faucet Aerator | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 138 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Lighting | 47 | 47 | | | | | 1,897 | 1,897 | | | | | 848 | 0.7 | | 1.4 | | 7,363 | | | | | | | 18.04 | 0.014 | | 0.030 | | 157 | - | - | - | - | - |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | | |
| CFL (15W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | | |
| CFL (20W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | | |
| CFL (23W) | 3 | 3 | | | | | 6 | 6 | | | | | 94 | 0.04 | | 0.09 | | 402 | | | | | | | 31.33 | 0.013 | | 0.029 | | 134 | - | - | - | - | - |
| CFL (25W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | | |
| CFL Circline (30W) | 28 | 28 | | | | | 58 | 58 | | | | | 754 | 0.64 | | 1.31 | | 6,962 | | | | | | | 26.93 | 0.023 | | 0.047 | | 249 | - | - | - | - | - |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | | |
| Waterbed Mattress Pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | | |
| Refrigerator/Freezer | 38 | 38 | | | | | 78 | 78 | | | | | 37,137 | 12.23 | | 12.73 | | 96,455 | | | | | | | 977.30 | 0.322 | | 0.335 | | 2,538 | - | - | - | - | - |
| Refrigerator Removal | 1 | 1 | | | | | 2 | 2 | | | | | 40 | 0.50 | | 0.53 | | 3,980 | | | | | | | 40.00 | 0.503 | | 0.525 | | 3,980 | - | - | - | - | - |
| Refrigerator Exchange | 25 | 25 | | | | | 52 | 52 | | | | | 27,968 | 8.75 | | 9.11 | | 69,003 | | | | | | | 1118.70 | 0.350 | | 0.364 | | 2,760 | - | - | - | - | - |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | | |
| Freezer Exchange | 12 | 12 | | | | | 24 | 24 | | | | | 9,130 | 2.98 | | 3.10 | | 23,472 | | | | | | | 760.82 | 0.248 | | 0.258 | | 1,956 | - | - | - | - | - |
| Costs for Measures Without Energy Impacts Installed in 72 Total Households with Spending and/or Energy Impacts: | | | | | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified Insul. | | | | | | | | | 60 | | | | | 10,188 | | | | | 169.79 | | | | | | | | | | | | | | | | |
| Duct Insulation | | | | | | | | | 1 | | | | | 28 | | | | | 27.74 | | | | | | | | | | | | | | | | |
| Duct Sealing | | | | | | | | | 1 | | | | | 183 | | | | | 183.20 | | | | | | | | | | | | | | | | |
| Damping Material | | | | | | | | | 23 | | | | | 494 | | | | | 21.48 | | | | | | | | | | | | | | | | |
| Htg. Sys. Tune & Clean | | | | | | | | | 69 | | | | | 16,756 | | | | | 242.84 | | | | | | | | | | | | | | | | |
| Htg. Sys./WH Other | | | | | | | | | 2 | | | | | 3,494 | | | | | 1747.20 | | | | | | | | | | | | | | | | |
| Space Heater Repl. | | | | | | | | | 0 | | | | | 0 | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Air Conditioning Work | | | | | | | | | 1 | | | | | 4,074 | | | | | 4074.00 | | | | | | | | | | | | | | | | |
| Water Heater Repl. | | | | | | | | | 5 | | | | | 3,562 | | | | | 712.40 | | | | | | | | | | | | | | | | |
| Water Heater Repair | | | | | | | | | 0 | | | | | 0 | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Refrigerator Coil Clean | | | | | | | | | 0 | | | | | 0 | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Unspecified Utility Meas | | | | | | | | | 0 | | | | | 0 | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Asbestos Abatement | | | | | | | | | 0 | | | | | 0 | | | | | 0.00 | | | | | | | | | | | | | | | | |
| CO Detector | | | | | | | | | 10 | | | | | 1,120 | | | | | 112.00 | | | | | | | | | | | | | | | | |
| Smoke Detector | | | | | | | | | 0 | | | | | 0 | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Fuses | | | | | | | | | 0 | | | | | 0 | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Htg Sys Safety Check | | | | | | | | | 69 | | | | | 10,721 | | | | | 155.37 | | | | | | | | | | | | | | | | |
| Exhaust Ventilation | | | | | | | | | 23 | | | | | 4,971 | | | | | 216.14 | | | | | | | | | | | | | | | | |
| Health/Safety Repairs | | | | | | | | | 0 | | | | | 0 | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Health/Safety Other | | | | | | | | | 1 | | | | | 99 | | | | | 98.64 | | | | | | | | | | | | | | | | |
| Consumables | | | | | | | | | 1 | | | | | 26 | | | | | 26.00 | | | | | | | | | | | | | | | | |
| Preservation | | | | | | | | | 0 | | | | | 0 | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Roof Repairs | | | | | | | | | 0 | | | | | 0 | | | | | 0.00 | | | | | | | | | | | | | | | | |
| General Repairs | | | | | | | | | 51 | | | | | 33,996 | | | | | 666.59 | | | | | | | | | | | | | | | | |
| Evaluator Labor | | | | | | | | | 71 | | | | | 13,290 | | | | | 187.19 | | | | | | | | | | | | | | | | |
| Inspector Labor | | | | | | | | | 59 | | | | | 8,559 | | | | | 145.07 | | | | | | | | | | | | | | | | |
| Eval/Insp Labor | | | | | | | | | 0 | | | | | 0=" | | | | | | | | | | | | | | | | | | | | | |

HACAP
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | Estimated First-Year Savings | | | | | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | | | | |
|--|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|-------------|------------------------------|-----------|--------|------------|---------------|---------------|-----------------|------------------|------------|------------------------------------|---|---------------|-----------|-----------------|------------------|---------------|-----------------|------------------|------------|-----------|---|------------|---------------|---------------|-----------------|------------------|------------|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Electricity | | | | Annual kWh | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Electricity | | | | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | | | | |
| | | | | | | | | | | Summer kW | kWh | Winter kW | kWh | | Pk-Day therms | Annual therms | | | | | Summer kW | kWh | Winter kW | Annual kWh | Pk-Day therms | Annual therms | | | | | | | | | | | |
| OVERALL | 239 | 239 | 210 | 23 | 1 | 1 | | | 883,913 | 51.5 | | 83.7 | | 370,221 | 752 | 70,079 | 6,798 | 349 | 54 | 3698.38 | 0.146 | | 0.191 | | 1,549 | 3,580 | 334 | 296 | 349 | 54 | | | | | | | |
| Shell & Htg. Sys. | 234 | 223 | 206 | 23 | 1 | 1 | 147 | 234 | 794,859 | 18.8 | 14,042 | 23.7 | 48,288 | 62,330 | 748 | 68,783 | 6,795 | 349 | 54 | 3396.83 | 0.128 | 96 | 0.101 | 206 | 280 | 3,632 | 334 | 295 | 349 | 54 | | | | | | | |
| Wall Insul. | 90 | 90 | 82 | 5 | 1 | 1 | 66 | 90 | 169,843 | 6.87 | 5,141 | 8.28 | 16,990 | 22,132 | 220 | 20,283 | 1,151 | 114 | 17 | 1887.14 | 0.104 | 78 | 0.092 | 189 | 246 | 2,679 | 247 | 230 | 114 | 17 | | | | | | | |
| Ceiling Insul. | 137 | 137 | 117 | 15 | 1 | 1 | 91 | 136 | 148,024 | 5.93 | 4,435 | 4.54 | 9,301 | 13,736 | 100 | 9,231 | 1,153 | 51 | 4 | 1080.47 | 0.065 | 49 | 0.033 | 68 | 100 | 0.855 | 79 | 77 | 51 | 4 | | | | | | | |
| Infl. Reduction | 231 | 148 | 203 | 22 | 1 | 1 | 146 | 230 | 134,048 | 4.30 | 3,224 | 3.94 | 8,027 | 11,251 | 216 | 19,831 | 2,250 | 28 | 13 | 580.29 | - | - | - | - | - | - | - | 102 | 28 | 13 | | | | | | | |
| Found./Crawl. Insul. | 118 | 118 | 101 | 13 | 1 | 1 | 69 | 118 | 170,209 | 1.66 | 1,242 | 6.39 | 12,865 | 14,106 | 105 | 9,540 | 1,205 | 30 | 3 | 1442.45 | 0.024 | 18 | 0.054 | 109 | 120 | 1,036 | 94 | 93 | 30 | 3 | | | | | | | |
| Bandjoist Insul. | 84 | 84 | 73 | 9 | 1 | 0 | - | 84 | 14,149 | 0.00 | 0 | 0.54 | 1,105 | 1,105 | 11 | 1,036 | 119 | 8 | 0 | 168.44 | - | - | 0.006 | 13 | 13 | 0.154 | 14 | 13 | 8 | - | | | | | | | |
| Hi-Eff Htg Sys Repl | 8 | 0 | 6 | 1 | 1 | 0 | - | 8 | 26,453 | 0.00 | 0 | 0.00 | 0 | 0 | 14 | 1,244 | 231 | 119 | 0 | 3306.65 | - | - | 0.000 | 0 | - | 2,261 | 207 | 231 | 119 | - | | | | | | | |
| Std-Eff Htg Sys Repl | 47 | 0 | 42 | 4 | 0 | 1 | - | 47 | 132,134 | 0.00 | 0 | 0.00 | 0 | 0 | 83 | 7,619 | 687 | 0 | 17 | 2811.36 | - | - | 0.000 | 0 | - | 1,971 | 181 | 172 | - | 17 | | | | | | | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| | | | | | | | Number of Measures by Fuel Type | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | | Summer kW | | Winter kW | | Annual kWh | | Pk-Day therms | | Annual therms | | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu |
| Water Heating | 55 | 6 | 48 | 1 | 0 | 0 | 204 | 26 | 174 | | 4 | 0 | 0 | 2,015 | 0.5 | 1.1 | 7,030 | 4.3 | 1,476 | 3 | 0 | 0 | 36.63 | 0.078 | 0.185 | 1,172 | 0.100 | 31 | 3 | - | - | - | - | - | | | |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | |
| WH Wrap | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | |
| Pipe Insul. | 3 | 1 | 2 | 0 | 0 | 0 | | | | | | | 71 | 0.02 | 0.02 | 0.02 | 197 | 0.1 | 23 | 0 | 0 | 0 | 23.60 | 0.020 | 0.024 | 197 | 0.033 | 11 | - | - | - | - | - | | | | |
| LF Showerhead | 32 | 4 | 28 | 0 | 0 | 0 | 70 | 14 | 56 | 0 | 0 | 0 | 1,166 | 0.41 | 0.99 | 0.99 | 6,232 | 4.0 | 1,218 | 0 | 0 | 0 | 36.43 | 0.102 | 0.249 | 1,558 | 0.141 | 43 | - | - | - | - | - | | | | |
| Faucet Aerator | 36 | 3 | 32 | 1 | 0 | 0 | 134 | 12 | 118 | 4 | 0 | 0 | 778 | 0.04 | 0.09 | 0.09 | 601 | 0.8 | 235 | 3 | 0 | 0 | 21.62 | 0.013 | 0.030 | 200 | 0.024 | 7 | 3 | - | - | - | - | - | | | |
| Lighting | 199 | 199 | | | | | 1,897 | 1,897 | | | | | 42,857 | 17.6 | 42.2 | 42.2 | 182,695 | | | | | | 215.36 | 0.088 | 0.212 | 918 | - | - | - | - | - | - | - | | | | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| CFL (15W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| CFL (20W) | 170 | 170 | | | | | 2,454 | 2,454 | | | | | 36,384 | 13.00 | 31.33 | 31.33 | 134,924 | | | | | 214.02 | 0.076 | 0.184 | 794 | - | - | - | - | - | - | - | - | | | | |
| CFL (23W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| CFL (25W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| CFL Circline (30W) | 43 | 43 | | | | | 398 | 398 | | | | | 6,474 | 4.57 | 10.88 | 10.88 | 47,771 | | | | | 150.55 | 0.106 | 0.253 | 1,111 | - | - | - | - | - | - | - | - | | | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| Waterbed Mattress Pad | 2 | 2 | 2 | 0 | 0 | 0 | 12 | 6 | 6 | 0 | 0 | 0 | 0 | 112 | 0.00 | 1.74 | 4,598 | -1.1 | -180 | 0.0 | 0.0 | 0.0 | 56.22 | 0.000 | 0.871 | 2,299 | -0.545 | -90 | - | - | - | - | - | | | | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | | | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | | | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | | | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | | | | |
| Unknown | 2 | 2 | 2 | 0 | 0 | 0 | 12 | 6 | 6 | 0 | 0 | 0 | 0 | 112 | 0.00 | 1.74 | 4,598 | -1.1 | -180 | 0.0 | 0.0 | 0.0 | 56.22 | 0.000 | 0.871 | 2,299 | -0.545 | -90 | - | - | - | - | - | | | | |
| Refrigerator/Freezer | 46 | 46 | | | | | 94 | 94 | | | | | 44,070 | 14.70 | 14.99 | 14.99 | 113,569 | | | | | 958.04 | 0.320 | 0.326 | 2,469 | - | - | - | - | - | - | - | - | | | | |
| Refrigerator Removal | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| Refrigerator Exchange | 30 | 30 | | | | | 62 | 62 | | | | | 31,690 | 10.63 | 10.86 | 10.86 | 82,273 | | | | | 1056.33 | 0.354 | 0.362 | 2,742 | - | - | - | - | - | - | - | - | | | | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| Freezer Exchange | 16 | 16 | | | | | 32 | 32 | | | | | 12,340 | 4.07 | 4.13 | 4.13 | 31,296 | | | | | 771.25 | 0.254 | 0.258 | 1,956 | - | - | - | - | - | - | - | - | | | | |
| Costs for Measures Without Energy Impacts Installed in 239 Total Households with Spending and/or Energy Impacts: | | | | | | | | | | 1,016,609 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 161 | | | | | | | | | | | | 74,688 | | | | | | | | | 463.90 | | | | | | | | | | | | | | | |
| Unspecified Insul. | 9 | | | | | | | | | | | | 2,296 | | | | | | | | | 255.09 | | | | | | | | | | | | | | | |
| Duct Insulation | 106 | | | | | | | | | | | | 57,959 | | | | | | | | | 546.78 | | | | | | | | | | | | | | | |
| Duct Sealing | 76 | | | | | | | | | | | | 5,307 | | | | | | | | | 69.83 | | | | | | | | | | | | | | | |
| Damping Material | 183 | | | | | | | | | | | | 22,771 | | | | | | | | | 124.43 | | | | | | | | | | | | | | | |
| Htg. Sys. Tune & Clean | 63 | | | | | | | | | | | | 13,560 | | | | | | | | | 215.24 | | | | | | | | | | | | | | | |
| Htg. Sys./WH/Other | 0 | | | | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Space Heater Repl. | 0 | | | | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Air Conditioning Work | 52 | | | | | | | | | | | | 41,682 | | | | | | | | | 801.58 | | | | | | | | | | | | | | | |
| Water Heater Repl. | 0 | | | | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Water Heater Repair | 0 | | | | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Refrigerator Coil Clean | 0 | | | | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | |

TRAIN
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Spending on Materials & Labor (\$) | Estimated First-Year Savings | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | |
|--|-----------------------------------|----------|-----|---------|----------|-------|---|----------|-----------|-----------------|------------|------------|------------------------------------|------------------------------|---------------|---------------|-----------------|------------------|------------------|---|------------------------------------|-----------------|------------|------------|---------------|-------------------|-----------------|------------------|------------|---|---|--|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Summer kW | Electricity kWh | Winter kWh | Annual kWh | | Pk-Day therms | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Summer kW | Electricity kWh | Winter kWh | Annual kWh | Pk-Day therms | Gas Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | |
| | | | | | | | | | | | | | | | Annual therms | Annual therms | | | | | | | | | | | | | | | | |
| OVERALL | 185 | 185 | 178 | 8 | 2 | 0 | | | 995,268 | 110.6 | | 31.4 | | 199,284 | 1,152 | 112,980 | 4,860 | 1,091 | 0 | 5379.83 | 0.340 | | 0.091 | | 1,077 | 6,472 | 635 | 608 | 545 | - | | |
| Shell & Htg. Sys. | 185 | 185 | 176 | 7 | 2 | 0 | 164 | 185 | 970,817 | 104.5 | 79,460 | 15.1 | 30,316 | 109,775 | 1,118 | 101,163 | 4,832 | 1,091 | 0 | 5247.66 | 0.637 | 485 | 0.082 | 164 | 593 | 6,352 | 575 | 690 | 545 | - | | |
| Wall Insul. | 125 | 125 | 119 | 6 | 0 | 0 | 108 | 125 | 245,264 | 41.47 | 31,552 | 7.89 | 15,829 | 47,382 | 356 | 32,269 | 1,834 | 0 | 0 | 1962.11 | 0.384 | 292 | 0.063 | 127 | 379 | 2,995 | 271 | 306 | - | - | | |
| Ceiling Insul. | 142 | 142 | 136 | 5 | 1 | 0 | 124 | 142 | 152,497 | 59.66 | 45,382 | 3.30 | 6,614 | 51,996 | 146 | 13,202 | 668 | 77 | 0 | 1073.93 | 0.481 | 366 | 0.023 | 47 | 366 | 1,073 | 97 | 134 | 77 | - | | |
| Infil. Reduction | 180 | 163 | 171 | 7 | 2 | 0 | 163 | 180 | 116,370 | 3.01 | 2,287 | 0.00 | 0 | 2,287 | 206 | 18,630 | 1,114 | 468 | 0 | 646.50 | - | - | - | - | - | - | - | 159 | 234 | - | | |
| Found./Crawl. Insul. | 81 | 81 | 77 | 3 | 1 | 0 | 67 | 81 | 66,323 | 0.31 | 238 | 3.47 | 6,919 | 7,157 | 128 | 11,570 | 207 | 170 | 0 | 818.80 | 0.005 | 4 | 0.043 | 85 | 88 | 1,668 | 150 | 69 | 170 | - | | |
| Bandjoist Insul. | 122 | 122 | 118 | 4 | 0 | 0 | - | 122 | 26,261 | 0.00 | 0 | 0.47 | 953 | 953 | 21 | 1,884 | 68 | 0 | 0 | 215.26 | - | - | 0.004 | 8 | 8 | 0.176 | 16 | 17 | - | - | | |
| Hi-Eff Htg Sys Repl | 38 | 0 | 38 | 0 | 0 | 0 | - | 38 | 183,294 | 0.00 | 0 | 0.00 | 0 | 0 | 144 | 13,146 | 0 | 0 | 0 | 4823.52 | - | - | 0.000 | 0 | - | 3,796 | 346 | - | - | - | | |
| Std-Eff Htg Sys Repl | 46 | 0 | 40 | 4 | 2 | 0 | - | 46 | 173,791 | 0.00 | 0 | 0.00 | 0 | 0 | 101 | 9,140 | 941 | 377 | 0 | 3778.07 | - | - | 0.000 | 0 | - | 2,537 | 228 | 235 | 188 | - | | |
| Other Htg Sys Repl | 7 | 0 | 7 | 0 | 0 | 0 | - | 7 | 7,015 | 0.00 | 0 | 0.00 | 0 | 0 | 15 | 1,321 | 0 | 0 | 0 | 1002.21 | - | - | 0.000 | 0 | - | 2,109 | 189 | - | - | - | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | |
| Water Heating | 168 | 26 | 141 | 1 | 0 | 0 | 700 | 112 | 588 | 0 | 0 | 0 | 13,384 | 3.0 | 6.1 | 38,881 | 37.9 | 12,436 | 29 | 0 | 0 | 79.66 | 0.116 | 0.233 | 1,495 | 0.269 | 88 | 29 | - | - | | |
| Temp. Reduct. | 54 | 6 | 48 | 0 | 0 | 0 | | | | | | | 0 | 0.31 | 0.37 | 3,060 | 7.6 | 2,645 | 0 | 0 | 0 | 0.00 | 0.052 | 0.061 | 510 | 0.159 | 55 | - | - | - | | |
| WH Wrap | 118 | 18 | 99 | 1 | 0 | 0 | | | | | | | 4,519 | 0.89 | 1.05 | 8,729 | 8.1 | 2,808 | 29 | 0 | 0 | 38.29 | 0.049 | 0.058 | 485 | 0.082 | 28 | 29 | - | - | | |
| Pipe Insul. | 129 | 18 | 111 | 0 | 0 | 0 | | | | | | | 1,771 | 0.36 | 0.42 | 3,541 | 4.2 | 1,456 | 0 | 0 | 0 | 13.73 | 0.020 | 0.024 | 197 | 0.038 | 13 | - | - | - | | |
| LF Showerhead | 99 | 19 | 80 | 0 | 0 | 0 | 278 | 48 | 230 | 0 | 0 | 0 | 5,866 | 1.24 | 3.66 | 20,283 | 15.3 | 4,696 | 0 | 0 | 0 | 59.26 | 0.065 | 0.193 | 1,068 | 0.191 | 59 | - | - | - | | |
| Faucet Aerator | 114 | 18 | 96 | 0 | 0 | 0 | 422 | 64 | 358 | 0 | 0 | 0 | 1,227 | 0.21 | 0.56 | 3,268 | 2.7 | 830 | 0 | 0 | 0 | 10.77 | 0.011 | 0.031 | 182 | 0.028 | 9 | - | - | - | | |
| Lighting | 135 | 135 | | | | | 1,897 | 1,897 | | | | | 10,735 | 3.1 | 5.0 | 36,835 | | | | | 79.52 | 0.023 | 0.037 | 273 | - | - | - | - | - | - | | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | | | | | | | | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | | | | | | | | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | | | | | | | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | | | | | | | | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | | | | | | | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | | | | | | | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | | | | | | | | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | | | | | | | | |
| CFL (15W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | | | | | | | | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | | | | | | | | |
| CFL (20W) | 31 | 31 | | | | | 130 | 130 | | 2,756 | 0.61 | 1.04 | | 7,148 | | | | | | | 88.92 | 0.020 | 0.033 | 231 | | | | | | | | |
| CFL (23W) | 52 | 52 | | | | | 208 | 208 | | 3,915 | 1.20 | 2.02 | | 13,930 | | | | | | | 75.28 | 0.023 | 0.039 | 268 | | | | | | | | |
| CFL (25W) | 52 | 52 | | | | | 210 | 210 | | 4,063 | 1.33 | 1.93 | | 15,757 | | | | | | | 78.14 | 0.026 | 0.037 | 303 | | | | | | | | |
| CFL Circline (30W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | | | | | | | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | | | | | | | | |
| Waterbed Mattress Pad | 8 | 8 | 8 | 0 | 0 | 0 | 36 | 18 | 18 | 0 | 0 | 0 | 334 | 0.00 | 5.23 | 13,793 | -3.8 | -618 | 0.0 | 0.0 | 0.0 | 41.71 | 0.000 | 0.653 | 1,724 | -0.469 | -77 | - | - | - | | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Unknown | 8 | 8 | 8 | 0 | 0 | 0 | 36 | 18 | 18 | 0 | 0 | 0 | 334 | 0.00 | 5.23 | 13,793 | -3.8 | -618 | 0.0 | 0.0 | 0.0 | 41.71 | 0.000 | 0.653 | 1,724 | -0.469 | -77 | - | - | - | - | |
| Refrigerator/Freezer | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Refrigerator Removal | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Refrigerator Exchange | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Freezer Exchange | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Costs for Measures Without Energy Impacts Installed in 185 Total Households with Spending and/or Energy Impacts: | | | | | | | | | 638,056 | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | 62,760 | | | | | | | | | | | | 385.03 | | | | | | | | | | | |
| Unspecified Insul. | 163 | | | | | | | | 1,035 | | | | | | | | | | | | 94.10 | | | | | | | | | | | |
| Duct Insulation | 11 | | | | | | | | 31,265 | | | | | | | | | | | | 192.99 | | | | | | | | | | | |
| Duct Sealing | 162 | | | | | | | | 4,316 | | | | | | | | | | | | 89.91 | | | | | | | | | | | |
| Damming Material | 48 | | | | | | | | 35,117 | | | | | | | | | | | | 219.48 | | | | | | | | | | | |
| Htg. Sys. Tune & Clean | 160 | | | | | | | | 17,947 | | | | | | | | | | | | 349.95 | | | | | | | | | | | |
| Htg. Sys./WH/Other | 51 | | | | | | | | 0 | | | | | | | | | | | | 0.00 | | | | | | | | | | | |

Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Costs for Measures Without Energy Impacts Installed in 43 Total Households with Spending and/or Energy Impacts: | | | |
|---|----|---------|---------|
| Total | | 201,635 | |
| Unspecified Insul. | 42 | 7,675 | 182.73 |
| Duct Insulation | 0 | 0 | 0.00 |
| Duct Sealing | 3 | 275 | 91.76 |
| Damming Material | 28 | 943 | 33.68 |
| Htg. Sys. Tune & Clean | 23 | 3,111 | 135.25 |
| Htg. Sys./WH Other | 7 | 6,356 | 908.06 |
| Space Heater Repl. | 1 | 3,812 | 3811.56 |
| Air Conditioning Work | 0 | 0 | 0.00 |
| Water Heater Repl. | 0 | 7,200 | 800.00 |
| Water Heater Repair | 0 | 0 | 0.00 |
| Refrigerator Coil Clean | 0 | 0 | 0.00 |
| Unspecified Utility Meas | 0 | 0 | 0.00 |
| Asbestos Abatement | 0 | 0 | 0.00 |
| CO Detector | 3 | 350 | 116.67 |
| Smoke Detector | 0 | 0 | 0.00 |
| Fuses | 0 | 0 | 0.00 |
| Htg Sys Safety Check | 3 | 278 | 92.79 |
| Exhaust Ventilation | 21 | 7,697 | 366.51 |
| Health/Safety Repairs | 0 | 0 | 0.00 |
| Health/Safety Other | 0 | 0 | 0.00 |
| Consumables | 0 | 0 | 0.00 |
| Preservation | 0 | 0 | 0.00 |
| Roof Repairs | 0 | 0 | 0.00 |
| General Repairs | 42 | 71,214 | 1695.58 |
| Evaluator Labor | 40 | 12,320 | 307.99 |
| Inspector Labor | 3 | 7,456 | 207.50 |
| Eval/Insp Labor | 3 | 2,754 | 918.03 |
| Meter Refrig (no action) | 0 | 0 | 0.00 |
| Meter Freezer (no action) | 0 | 0 | 0.00 |
| Support | 43 | 71,040 | 1652.10 |
| Landlord | 1 | (846) | -846.00 |
| Landlord | 0 | 0 | 0.00 |
| Warehouse | 0 | 0 | 0.00 |
| Unspecified | 0 | 0 | 0.00 |

| | |
|-------------------------------------|----------------|
| Grand Total of Expenditures: | 447,208 |
|-------------------------------------|----------------|

MICA
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | | |
|--|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|-------------|----------|-----------|------------------------------|---------------|------------|---------------|-----------|-----------------|------------------|---------------|------------------------------------|------------------|---|-------|---------------|---------------|------------|-----------|------------|-----------------|------------------|-----------------|------------------|------------|---------------|---------------|--|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Electricity | | | | | Annual kWh | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Electricity | | | | | Annual kWh | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | |
| | | | | | | | | | | Summer kW | kWh | Winter kW | kWh | Pk-Day therms | | Annual therms | Summer kW | | | | | kWh | Winter kW | kWh | Pk-Day therms | Annual therms | | Summer kW | kWh | | | | Winter kW | kWh | Pk-Day therms | Annual therms | |
| OVERALL | 105 | 105 | 99 | 99 | 4 | 1 | 0 | | 581,462 | 24.4 | | 25.6 | | 114,591 | 720 | 70,469 | 3,624 | 123 | 0 | 5537.74 | 0.117 | | 0.112 | | 1,091 | 7,273 | 712 | 906 | 123 | - | | | | | | | |
| Shell & Htg. Sys. | 104 | 102 | 98 | 4 | 1 | 0 | 84 | 104 | 569,074 | 16.8 | 12,633 | 7.6 | 15,999 | 28,632 | 711 | 67,708 | 3,435 | 123 | 0 | 5471.87 | 0.201 | 150 | 0.073 | 154 | 281 | 7,259 | 691 | 859 | 123 | - | | | | | | | |
| Wall Insul. | 55 | 55 | 53 | 2 | 0 | 0 | 44 | 55 | 113,198 | 0.02 | | 3.55 | 7,476 | 7,488 | 198 | 18,865 | 852 | 0 | 0 | 2058.14 | 0.000 | 0 | 0.065 | 136 | 136 | 3,738 | 356 | 426 | - | - | | | | | | | |
| Ceiling Insul. | 74 | 74 | 71 | 3 | 0 | 0 | 57 | 74 | 109,792 | 15.98 | 11,984 | 2.03 | 4,280 | 16,264 | 103 | 9,773 | 537 | 0 | 0 | 1483.67 | 0.280 | 210 | 0.027 | 58 | 220 | 1,446 | 138 | 179 | - | - | | | | | | | |
| Infil. Reduction | 104 | 85 | 98 | 4 | 1 | 0 | 84 | 104 | 133,985 | 0.87 | | 0.53 | 1,131 | 1,787 | 148 | 14,088 | 669 | 109 | 0 | 1288.32 | - | - | - | - | - | - | - | 167 | 109 | - | | | | | | | |
| Found./Crawl. Insul. | 55 | 55 | 52 | 3 | 0 | 0 | 46 | 55 | 47,860 | -0.02 | (19) | 1.31 | 2,771 | 2,753 | 60 | 5,674 | 382 | 0 | 0 | 870.19 | 0.000 | (0) | 0.024 | 50 | 50 | 1,145 | 109 | 127 | - | - | | | | | | | |
| Bandjoist Insul. | 48 | 48 | 44 | 3 | 1 | 0 | - | 48 | 8,666 | 0.00 | 0 | 0.16 | 340 | 340 | 7 | 681 | 53 | 13 | 0 | 180.54 | - | - | 0.003 | 7 | 7 | 0.162 | 15 | 18 | 13 | - | | | | | | | |
| Hi-Eff Htg Sys Repl | 43 | 0 | 41 | 2 | 0 | 0 | - | 43 | 136,283 | 0.00 | 0 | 0.00 | 0 | 0 | 179 | 17,030 | 942 | 0 | 0 | 3169.36 | - | - | 0.000 | 0 | - | 4,368 | 415 | 471 | - | - | | | | | | | |
| Std-Eff Htg Sys Repl | 7 | 0 | 7 | 0 | 0 | 0 | - | 7 | 19,291 | 0.00 | 0 | 0.00 | 0 | 0 | 17 | 1,597 | 0 | 0 | 0 | 2755.90 | - | - | 0.000 | 0 | - | 2,383 | 228 | - | - | - | | | | | | | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | |
| Water Heating | 101 | 25 | 74 | 2 | 0 | 0 | 332 | 88 | 236 | 8 | 0 | 0 | 0 | 3,070 | 2.0 | 4.6 | | 29,435 | 8.7 | 2,761 | 190 | 0 | 0 | 30.39 | 0.081 | 0.184 | 1,177 | 0.117 | 37 | 95 | - | - | | | | | |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | | | | | | |
| Whi Wrap | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | | | | | | |
| Pipe Insul. | 84 | 18 | 66 | 0 | 0 | 0 | 805 | | | | | | | 3,541 | 2.4 | 829 | 0 | 0 | 0 | 9.59 | 0.020 | | 0.024 | 197 | 0.036 | 13 | - | - | - | - | - | | | | | | |
| LF Showerhead | 40 | 12 | 27 | 1 | 0 | 0 | 96 | 24 | 70 | 2 | 0 | 0 | 0 | 1,630 | 1.43 | 3.57 | | 22,122 | 5.0 | 1,526 | 162 | 0 | 0 | 40.75 | 0.119 | 0.298 | 1,844 | 0.184 | 57 | 162 | - | - | | | | | |
| Faucet Aerator | 75 | 20 | 53 | 2 | 0 | 0 | 236 | 64 | 166 | 6 | 0 | 0 | 0 | 634 | 0.25 | 0.59 | | 3,772 | 1.3 | 406 | 28 | 0 | 0 | 8.46 | 0.012 | 0.030 | 189 | 0.025 | 8 | 14 | - | - | | | | | |
| Lighting | 99 | 99 | | | | | 1,897 | 1,897 | | 9,318 | 5.5 | 13.4 | | 56,524 | | | | | | 94.12 | 0.055 | | 0.135 | | 571 | - | - | - | - | - | - | | | | | | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (15W) | 70 | 70 | | | | | 746 | 746 | | 6,680 | 3.24 | 7.80 | | 33,564 | | | | | | 95.43 | 0.046 | | 0.111 | | 479 | - | - | - | - | - | - | | | | | | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (20W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (23W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (25W) | 29 | 29 | | | | | 306 | 306 | | 2,638 | 2.25 | 5.60 | | 22,961 | | | | | | 90.97 | 0.078 | | 0.193 | | 792 | - | - | - | - | - | - | | | | | | |
| CFL Circline (30W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Waterbed Mattress Pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Refrigerator/Freezer | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Refrigerator Remova | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Refrigerator Exchange | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Freezer Exchange | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Costs for Measures Without Energy Impacts Installed in 105 Total Households with Spending and/or Energy Impacts: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | 378,307 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified Insul. | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Duct Insulation | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Duct Sealing | 95 | | | | | | | | | | 36,890 | | | | | | | | | | 388.31 | | | | | | | | | | | | | | | | |
| Damping Material | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Htg. Sys. Tune & Clean | 48 | | | | | | | | | | 11,020 | | | | | | | | | | 229.58 | | | | | | | | | | | | | | | | |
| Htg. Sys./WH Other | 10 | | | | | | | | | | 3,107 | | | | | | | | | | 310.73 | | | | | | | | | | | | | | | | |
| Space Heater Repl. | 1 | | | | | | | | | | 1,804 | | | | | | | | | | 1803.96 | | | | | | | | | | | | | | | | |
| Air Conditioning Work | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Water Heater Repl. | 17 | | | | | | | | | | 11,969 | | | | | | | | | | 704.06 | | | | | | | | | | | | | | | | |
| Water Heater Repair | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Refrigerator Coil Clean | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Unspecified Utility Meas | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Asbestos Abatement | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| CO Detector | 14 | | | | | | | | | | 1,532 | | | | | | | | | | 109.45 | | | | | | | | | | | | | | | | |
| Smoke Detector | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Fuses | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Htg Sys Safety Check | 105 | | | | | | | | | | 20,650 | | | | | | | | | | 196.66 | | | | | | | | | | | | | | | | |
| Exhaust Ventilation | 78 | | | | | | | | | | 26,899 | | | | | | | | | | 344.86 | | | | | | | | | | | | | | | | |
| Health/Safety Repairs | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Health/Safety Other | 3 | | | | | | | | | | 1,806 | | | | | | | | | | 601.85 | | | | | | | | | | | | | | | | |
| Consumables | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Preservation | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Roof Repairs | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| General Repairs | 65 | | | | | | | | | | 30,106 | | | | | | | | | | 463.18 | | | | | | | | | | | | | | | | |
| Evaluator Labor | 105 | | | | | | | | | | 46,465 | | | | | | | | | | 442.52 | | | | | | | | | | | | | | | | |
| Inspector Labor | 105 | | | | | | | | | | 22,145 | | | | | | | | | | 210.90 | | | | | | | | | | | | | | | | |
| Eval/Insp Labor | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Meter Refrig (no action) | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Meter Freezer (no action) | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Support | 105 | | | | | | | | | | 163,914 | | | | | | | | | | 1561.09 | | | | | | | | | | | | | | | | |
| Landlord | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Landlord | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Warehouse | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Unspecified | 0 | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |

Mid-Sioux
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | | | |
|---|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|-------------|------------|-----------|------------------------------|------------|---------------|---------------|---------------|-----------------|---|---------------|------------------------------------|------------------|------------|------------|------------|------------|---------------|------------|------------|-----------------|------------------|-----------------|------------------|---------------|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Electricity | | | | Annual kWh | Pk-Day therms | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Electricity | | | | Annual kWh | Pk-Day therms | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | | |
| | | | | | | | | | | Summer kW | Summer kWh | Winter kW | Winter kWh | | | Annual therms | Annual therms | | | | | Summer kW | Winter kW | Annual kWh | Summer kWh | | | Winter kWh | Annual kWh | | | | Summer therms | Winter therms |
| OVERALL | 64 | 64 | 53 | 7 | 2 | 0 | | | 396,283 | 33.4 | | 35.1 | | 138,210 | | 294 | 29,016 | 5,628 | 1,181 | 0 | 6191.93 | 0.267 | | 0.274 | | 2,160 | 5,552 | 547 | 804 | 591 | - | | | |
| Shell & Htg. Sys. | 64 | 63 | 53 | 7 | 2 | 0 | 61 | 64 | 377,755 | 27.9 | 21,347 | 26.5 | 56,590 | 77,936 | 293 | 28,574 | 5,628 | 1,181 | 0 | 5902.42 | 0.457 | 350 | 0.414 | 884 | 1,237 | 5,526 | 539 | 804 | 591 | - | | | | |
| Wall Insul. | 49 | 49 | 39 | 6 | 2 | 0 | 47 | 49 | 105,467 | 4.84 | 3,706 | 13.63 | 29,144 | 32,851 | 107 | 10,455 | 2,160 | 357 | 0 | 2152.40 | 0.103 | 79 | 0.278 | 595 | 670 | 2,746 | 268 | 360 | 178 | - | | | | |
| Ceiling Insul. | 59 | 59 | 48 | 7 | 2 | 0 | 57 | 59 | 98,464 | 21.84 | 16,720 | 10.17 | 21,648 | 38,368 | 41 | 3,994 | 842 | 163 | 0 | 1668.87 | 0.383 | 293 | 0.172 | 367 | 650 | 0.854 | 83 | 120 | 81 | - | | | | |
| Infil. Reduction | 61 | 58 | 50 | 7 | 2 | 0 | 58 | 61 | 23,556 | 1.23 | 943 | 1.81 | 3,897 | 4,840 | 51 | 4,948 | 965 | 255 | 0 | 386.17 | - | - | - | - | - | - | - | 138 | 127 | - | | | | |
| Found./Crawl. Insul. | 17 | 17 | 14 | 2 | 1 | 0 | 17 | 17 | 15,368 | -0.03 | (22) | 0.44 | 953 | 931 | 15 | 1,471 | 233 | 97 | 0 | 904.02 | -0.002 | (1) | 0.026 | 56 | 55 | 1,076 | 105 | 116 | 97 | - | | | | |
| Bandjoist Insul. | 20 | 20 | 14 | 3 | 1 | 0 | - | 20 | 3,342 | 0.00 | 0 | 0.44 | 947 | 947 | 2 | 190 | 50 | 10 | 0 | 167.08 | - | - | 0.022 | 47 | 47 | 0.139 | 14 | 17 | 10 | - | | | | |
| Hi-Eff Htg Sys Repl | 30 | 0 | 25 | 4 | 1 | 0 | - | 30 | 131,558 | 0.00 | 0 | 0.00 | 0 | 0 | 77 | 7,517 | 1,377 | 299 | 0 | 4385.25 | - | - | 0.000 | 0 | - | 3,085 | 301 | 344 | 299 | - | | | | |
| Std-Eff Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu |
| Water Heating | 14 | 3 | 11 | 0 | 0 | 0 | 12 | 2 | 10 | 0 | 0 | 0 | 1,434 | 0.2 | | 0.3 | | 2,032 | 1.4 | 442 | 0 | 0 | 0 | 102.46 | 0.056 | | 0.102 | | 677 | 0.125 | 40 | - | - | - |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| WH Wrap | 7 | 2 | 5 | 0 | 0 | 0 | | | | | | | 162 | 0.10 | | 0.12 | | 962 | 0.3 | 113 | 0 | 0 | 0 | 23.07 | 0.049 | 0.058 | 481 | 0.065 | 23 | - | - | - | - | |
| Pipe Insul. | 5 | 1 | 4 | 0 | 0 | 0 | | | | | | | 51 | 0.02 | | 0.02 | | 197 | 0.1 | 43 | 0 | 0 | 0 | 10.20 | 0.020 | 0.024 | 197 | 0.031 | 11 | - | - | - | - | |
| LF Showerhead | 6 | 1 | 5 | 0 | 0 | 0 | 12 | 2 | 10 | 0 | 0 | 0 | 1,222 | 0.05 | | 0.17 | | 873 | 0.9 | 286 | 0 | 0 | 0 | 203.65 | 0.050 | 0.167 | 873 | 0.186 | 57 | - | - | - | - | |
| Faucet Aerator | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Lighting | 61 | 61 | | | | | 1,897 | 1,897 | | | | | 12,444 | 4.3 | | 7.3 | | 50,280 | | | | | | 204.00 | 0.071 | | 0.119 | | 824 | - | - | - | - | - |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| CFL (15W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| CFL (20W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| CFL (23W) | 48 | 48 | | | | | 576 | 576 | | | | | 9,792 | 3.30 | | 5.50 | | 38,574 | | | | | | 204.00 | 0.069 | | 0.115 | | 804 | - | - | - | - | - |
| CFL (25W) | 13 | 13 | | | | | 156 | 156 | | | | | 2,652 | 1.01 | | 1.78 | | 11,705 | | | | | | 204.00 | 0.078 | | 0.137 | | 900 | - | - | - | - | - |
| CFL Circline (30W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| Waterbed Mattress Pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | |
| Refrigerator/Freezer | 3 | 3 | | | | | 6 | 6 | | | | | 4,650 | 1.01 | | 1.05 | | 7,962 | | | | | | 1549.98 | 0.335 | | 0.350 | | 2,654 | - | - | - | - | - |
| Refrigerator Removal | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| Refrigerator Exchange | 3 | 3 | | | | | 6 | 6 | | | | | 4,650 | 1.01 | | 1.05 | | 7,962 | | | | | | 1549.98 | 0.335 | | 0.350 | | 2,654 | - | - | - | - | - |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| Freezer Exchange | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| Costs for Measures Without Energy Impacts Installed in 66 Total Households with Spending and/or Energy Impacts: | | | | | | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified Insul. | 50 | | | | | | | | 9,815 | | | | | | | | | | | | | | | 196.31 | | | | | | | | | | |
| Duct Insulation | 0 | | | | | | | | 0 | | | | | | | | | | | | | | 0.00 | | | | | | | | | | | |
| Duct Sealing | 0 | | | | | | | | 0 | | | | | | | | | | | | | | 0.00 | | | | | | | | | | | |
| Dammng Material | 26 | | | | | | | | 740 | | | | | | | | | | | | | | 28.47 | | | | | | | | | | | |
| Htg. Sys. Tune & Clean | 21 | | | | | | | | 4,789 | | | | | | | | | | | | | | 228.04 | | | | | | | | | | | |
| Htg. Sys./WHr Other | 6 | | | | | | | | 12,396 | | | | | | | | | | | | | | 2066.04 | | | | | | | | | | | |
| Space Heater Repl. | 0 | | | | | | | | 0 | | | | | | | | | | | | | | 0.00 | | | | | | | | | | | |
| Air Conditioning Work | 0 | | | | | | | | 0 | | | | | | | | | | | | | | 0.00 | | | | | | | | | | | |
| Water Heater Repl. | 7 | | | | | | | | 4,931 | | | | | | | | | | | | | | 704.39 | | | | | | | | | | | |
| Water Heater Repair | 0 | | | | | | | | 0 | | | | | | | | | | | | | | 0.00 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

City of Des Moines
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | |
|--|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|-------------|------------|------------|------------------------------|------------|---------------|-----------------|------------------|---------------|---|------------------|---------------|------------|---------------|------------|------------|-----------------|------------------|-----------------|------------------|------------|---|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Electricity | | Annual kWh | Pk-Day therms | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Electricity | | Annual kWh | Pk-Day therms | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | | | |
| | | | | | | | | | | Summer kW | Winter kWh | | | Annual kWh | Annual therms | | | | | Annual kWh | Annual therms | | | | | | | | | | |
| OVERALL | 132 | 130 | 132 | 0 | 0 | 0 | | | 683,104 | 26.3 | | 11.3 | | 44,005 | 1,093 | 99,743 | 0 | 0 | 0 | 5175.03 | 0.208 | | 0.084 | | 339 | 8,279 | 756 | - | - | - | |
| Shell & Htg. Sys. | 132 | 130 | 132 | 0 | 0 | 0 | 123 | 132 | 677,063 | 26.1 | 20,063 | 11.0 | 21,991 | 42,054 | 1,088 | 98,297 | 0 | 0 | 0 | 5129.19 | 0.212 | 163 | 0.083 | 167 | 323 | 8,246 | 745 | - | - | - | |
| Wall Insul. | 100 | 100 | 100 | 0 | 0 | 0 | 94 | 100 | 215,438 | 11.64 | 8,935 | 7.23 | 14,453 | 23,388 | 380 | 34,332 | 0 | 0 | 0 | 2154.38 | 0.124 | 95 | 0.072 | 145 | 234 | 3,802 | 343 | - | - | - | |
| Ceiling Insul. | 116 | 116 | 116 | 0 | 0 | 0 | 110 | 116 | 136,380 | 13.40 | 10,289 | 2.80 | 5,595 | 15,884 | 150 | 13,585 | 0 | 0 | 0 | 1175.69 | 0.122 | 94 | 0.024 | 48 | 137 | 1,297 | 117 | - | - | - | |
| Infil. Reduction | 131 | 123 | 131 | 0 | 0 | 0 | 123 | 131 | 124,228 | 1.33 | 1,018 | 0.00 | 0 | 1,018 | 297 | 26,840 | 0 | 0 | 0 | 948.31 | - | - | - | - | - | - | - | - | - | - | |
| Found./Crawl. Insul. | 38 | 38 | 38 | 0 | 0 | 0 | 37 | 38 | 18,624 | -0.23 | (178) | 0.71 | 1,426 | 1,248 | 43 | 3,891 | 0 | 0 | 0 | 490.11 | -0.006 | (5) | 0.019 | 38 | 33 | 1,134 | 102 | - | - | - | |
| Bandjoist Insul. | 63 | 63 | 63 | 0 | 0 | 0 | - | 63 | 11,144 | 0.00 | 0 | 0.26 | 516 | 516 | 12 | 1,062 | 0 | 0 | 0 | 176.89 | - | - | 0.004 | 8 | 8 | 0.187 | 17 | - | - | - | |
| Hi-Eff Htg Sys Repl | 30 | 0 | 30 | 0 | 0 | 0 | - | 30 | 97,952 | 0.00 | 0 | 0.00 | 0 | 0 | 116 | 10,447 | 0 | 0 | 0 | 3265.07 | - | - | 0.000 | 0 | - | 3,856 | 348 | - | - | - | |
| Std-Eff Htg Sys Repl | 29 | 0 | 29 | 0 | 0 | 0 | - | 29 | 73,287 | 0.00 | 0 | 0.00 | 0 | 0 | 90 | 8,140 | 0 | 0 | 0 | 2527.14 | - | - | 0.000 | 0 | - | 3,108 | 281 | - | - | - | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Summer kW | Winter kWh | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | Total | Summer kW | Winter kWh | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | |
| Water Heating | 68 | 3 | 65 | 0 | 0 | 0 | 22 | 2 | 20 | 0 | 0 | 0 | 0 | 6,051 | 0.1 | 0.3 | 1,951 | 4.4 | 1,447 | 0 | 0 | 0 | 88.99 | 0.043 | 0.115 | 650 | 0.067 | 22 | - | - | - |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 | 0.00 | 0.00 | 0 | 0.0 | 1,447 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | |
| WH Wrap | 6 | 0 | 6 | 0 | 0 | 0 | | | | 580 | 0.00 | 0.00 | 0 | 0 | 0.5 | 166 | 0 | 0 | 0 | 96.67 | - | - | - | - | 0.080 | 28 | - | - | - | - | |
| Pipe Insul. | 57 | 2 | 55 | 0 | 0 | 0 | | | | 3,026 | 0.04 | 0.05 | 393 | 2.1 | 723 | 0 | 0 | 0 | 53.09 | 0.020 | 0.024 | 197 | 0.038 | 13 | - | - | - | - | - | - | |
| LF Showerhead | 11 | 1 | 10 | 0 | 0 | 0 | 22 | 2 | 20 | 0 | 0 | 0 | 0 | 2,445 | 0.09 | 0.30 | 1,558 | 1.8 | 558 | 0 | 0 | 0 | 222.29 | 0.089 | 0.298 | 1,558 | 0.181 | 56 | - | - | - |
| Faucet Aerator | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Lighting | 0 | 0 | | | | | 1,897 | 1,897 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (15W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (20W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (23W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (25W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL Circline (30W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Waterbed Mattress Pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Refrigerator/Freezer | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Refrigerator Remova | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Refrigerator Exchange | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Freezer Exchange | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Costs for Measures Without Energy Impacts Installed in 132 Total Households with Spending and/or Energy Impacts: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | 662,096 | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified Insul. | 119 | | | | | | | | | 56,042 | 470.94 | | | | | | | | | | | | | | | | | | | | |
| Duct Insulation | 9 | | | | | | | | | 1,970 | 218.89 | | | | | | | | | | | | | | | | | | | | |
| Duct Sealing | 99 | | | | | | | | | 29,600 | 298.99 | | | | | | | | | | | | | | | | | | | | |
| Dammng Material | 12 | | | | | | | | | 1,420 | 118.33 | | | | | | | | | | | | | | | | | | | | |
| Htg. Sys. Tune & Clean | 126 | | | | | | | | | 11,354 | 90.11 | | | | | | | | | | | | | | | | | | | | |
| Htg. Sys./Wrt Other | 90 | | | | | | | | | 66,134 | 734.82 | | | | | | | | | | | | | | | | | | | | |
| Space Heater Repl. | 0 | | | | | | | | | 0 | 0.00 | | | | | | | | | | | | | | | | | | | | |
| Air Conditioning Work | 0 | | | | | | | | | 0 | 0.00 | | | | | | | | | | | | | | | | | | | | |
| Water Heater Repl. | 33 | | | | | | | | | 25,156 | 762.31 | | | | | | | | | | | | | | | | | | | | |
| Water Heater Repair | 0 | | | | | | | | | 0 | 0.00 | | | | | | | | | | | | | | | | | | | | |
| Refrigerator Coil Clean | 0 | | | | | | | | | 0 | 0.00 | | | | | | | | | | | | | | | | | | | | |
| Unspecified Utility Meas | 0 | | | | | | | | | 0 | 0.00 | | | | | | | | | | | | | | | | | | | | |
| Asbestos Abatement | 0 | | | | | | | | | 0 | 0.00 | | | | | | | | | | | | | | | | | | | | |
| CO Detector | 57 | | | | | | | | | 6,840 | 120.00 | | | | | | | | | | | | | | | | | | | | |
| Smoke Detector | 0 | | | | | | | | | 0 | 0.00 | | | | | | | | | | | | | | | | | | | | |
| Fuses | 0 | | | | | | | | | 0 | 0.00 | | | | | | | | | | | | | | | | | | | | |
| Htg Sys Safety Check | 1 | | | | | | | | | 720 | 720.00 | | | | | | | | | | | | | | | | | | | | |
| Exhaust Ventilation | 114 | | | | | | | | | 58,460 | 512.81 | | | | | | | | | | | | | | | | | | | | |
| Health/Safety Repairs | 0 | | | | | | | | | 0 | 0.00 | | | | | | | | | | | | | | | | | | | | |
| Health/Safety Other | 3 | | | | | | | | | 1,418 | 472.53 | | | | | | | | | | | | | | | | | | | | |
| Consumables | 0 | | | | | | | | | 0 | 0.00 | | | | | | | | | | | | | | | | | | | | |
| Preservation | 0 | | | | | | | | | 0 | 0.00 | | | | | | | | | | | | | | | | | | | | |
| Roof Repairs | 0 | | | | | | | | | 0 | 0.00 | | | | | | | | | | | | | | | | | | | | |
| General Repairs | 118 | | | | | | | | | 89,531 | 758.74 | | | | | | | | | | | | | | | | | | | | |
| Evaluator Labor | 132 | | | | | | | | | 35,263 | 267.14 | | | | | | | | | | | | | | | | | | | | |
| Inspector Labor | 131 | | | | | | | | | 35,321 | 269.63 | | | | | | | | | | | | | | | | | | | | |
| Eval/Insp Labor | 0 | | | | | | | | | 0 | 0.00 | | | | | | | | | | | | | | | | | | | | |
| Meter Refrig (no action) | 0 | | | | | | | | | 0 | 0.00 | | | | | | | | | | | | | | | | | | | | |
| Meter Freezer (no action) | 0 | | | | | | | | | 0 | 0.00 | | | | | | | | | | | | | | | | | | | | |
| Support | 132 | | | | | | | | | 222,766 | 1687.62 | | | | | | | | | | | | | | | | | | | | |
| Landlord | 0 | | | | | | | | | 0 | 0.00 | | | | | | | | | | | | | | | | | | | | |
| Landlord | 0 | | | | | | | | | 0 | 0.00 | | | | | | | | | | | | | | | | | | | | |
| Warehouse | 0 | | | | | | | | | 0 | 0.00 | | | | | | | | | | | | | | | | | | | | |
| Unspecified | 15 | | | | | | | | | 20,100 | 1340.00 | | | | | | | | | | | | | | | | | | | | |

North Iowa
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | |
|--|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|-------------|----------|-----------|------------------------------|------------|---------------|---------------|---------------|-----------------|------------------|------------------|------------|------------------------------------|---|---------------|---------------|-----------------|------------------|---------------|-----|-----|-----|-----------------|------------------|------------|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Electricity | | | | Annual kWh | Pk-Day therms | Gas | | | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Electricity | | | | Annual kWh | Pk-Day therms | Gas | | | Propane gallons | Fuel Oil gallons | Other Mbtu |
| | | | | | | | | | | Summer kW | kWh | Winter kW | kWh | | | Annual kWh | Annual therms | Annual therms | | | | | Annual therms | Annual therms | Annual therms | | | | | | | | | |
| OVERALL | 144 | 144 | 104 | 33 | 5 | 0 | | | 408,807 | 16.4 | | 13.4 | | 45,409 | | 536 | 52,922 | 14,028 | 1,439 | 0 | 2838.94 | 0.111 | | 0.081 | | 315 | 5.155 | 509 | | 425 | 288 | - | | |
| Shell & Htg. Sys. | 144 | 144 | 104 | 33 | 5 | 0 | 126 | 144 | 406,181 | 16.0 | 12,077 | 13.0 | 28,284 | 40,361 | | 535 | 52,665 | 14,002 | 1,439 | 0 | 2820.70 | 0.127 | 96 | 0.090 | 196 | 280 | 5,148 | 506 | 424 | 288 | - | | | |
| Wall Insul. | 75 | 75 | 62 | 12 | 1 | 0 | 61 | 75 | 82,417 | 9.67 | 7,303 | 4.15 | 9,085 | 16,388 | | 174 | 17,140 | 3,185 | 134 | 0 | 1098.89 | 0.158 | 120 | 0.055 | 121 | 219 | 2,802 | 276 | 265 | 134 | - | | | |
| Ceiling Insul. | 131 | 131 | 95 | 30 | 5 | 0 | 114 | 131 | 140,782 | 6.09 | 4,602 | 7.27 | 15,896 | 20,498 | | 128 | 12,545 | 4,188 | 438 | 0 | 1074.67 | 0.053 | 40 | 0.056 | 121 | 156 | 1,344 | 132 | 140 | 88 | - | | | |
| Infil. Reduction | 130 | 115 | 91 | 31 | 5 | 0 | 115 | 128 | 31,141 | -0.20 | (154) | 1.01 | 2,164 | 2,010 | | 121 | 11,833 | 4,201 | 469 | 0 | 239.55 | - | - | - | - | - | - | - | 136 | 94 | - | | | |
| Found./Crawl. Insul. | 20 | 20 | 17 | 3 | 0 | 0 | 18 | 20 | 7,255 | 0.43 | 326 | 0.21 | 457 | 783 | | 9 | 871 | 170 | 0 | 0 | 362.76 | 0.024 | 18 | 0.010 | 23 | 39 | 0.520 | 51 | 57 | - | - | | | |
| Bandjoist Insul. | 72 | 72 | 51 | 17 | 4 | 0 | - | 72 | 12,994 | 0.00 | 0 | 0.31 | 682 | 682 | | 11 | 1,036 | 368 | 59 | 0 | 180.47 | - | - | 0.004 | 9 | 9 | 0.206 | 20 | 22 | 15 | - | | | |
| Hi-Eff Htg Sys Repl | 15 | 0 | 14 | 1 | 0 | 0 | - | 15 | 51,825 | 0.00 | 0 | 0.00 | 0 | 0 | | 47 | 4,715 | 408 | 0 | 0 | 3455.02 | - | - | 0.000 | 0 | - | 3,380 | 337 | 408 | - | - | | | |
| Std-Eff Htg Sys Repl | 25 | 0 | 18 | 5 | 2 | 0 | - | 25 | 75,472 | 0.00 | 0 | 0.00 | 0 | 0 | | 45 | 4,391 | 1,214 | 339 | 0 | 3018.87 | - | - | 0.000 | 0 | - | 2,502 | 244 | 243 | 169 | - | | | |
| Other Htg Sys Repl | 2 | 0 | 1 | 1 | 0 | 0 | - | 2 | 4,295 | 0.00 | 0 | 0.00 | 0 | 0 | | 1 | 133 | 268 | 0 | 0 | 2147.61 | - | - | 0.000 | 0 | - | 1,371 | 133 | 268 | - | - | | | |
| Water Heating | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | | |
| | 7 | 1 | 5 | 1 | 0 | 0 | 8 | 2 | 4 | 2 | 0 | 0 | 1,653 | 0.0 | 0.0 | 188 | 0.8 | 257 | 26 | 0 | 0 | 0.010 | 0.040 | 188 | 0.159 | 51 | 26 | - | - | - | | | | |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | | | |
| WH Wrap | 3 | 0 | 3 | 0 | 0 | 0 | | | | | | | 93 | 0.00 | 0.00 | 0 | 0.2 | 81 | 0 | 0 | 30.94 | - | - | - | - | - | - | - | - | - | | | | |
| Pipe Insul. | 2 | 0 | 2 | 0 | 0 | 0 | | | | | | | 20 | 0.00 | 0.00 | 0 | 0.1 | 26 | 0 | 0 | 9.82 | - | - | - | - | - | - | - | - | - | | | | |
| LF Showerhead | 4 | 1 | 2 | 1 | 0 | 0 | 8 | 2 | 4 | 2 | 0 | 0 | 1,540 | 0.01 | 0.04 | 188 | 0.5 | 149 | 26 | 0 | 0 | 0.010 | 0.040 | 188 | 0.243 | 75 | 26 | - | - | - | | | | |
| Faucet Aerator | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | | | |
| Lighting | 21 | 21 | | | | | 1,897 | 1,897 | 973 | 0.4 | | 0.5 | 4,861 | | | | | | | 46.34 | 0.019 | | 0.022 | 231 | - | - | - | - | - | - | - | | | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| Capsylite (52W) | 13 | 13 | | | | | 122 | 122 | 459 | 0.23 | | 0.31 | 2,703 | | | | | | | 35.31 | 0.018 | | 0.024 | 208 | | | | | | | | | | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| CFL (15W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| CFL (20W) | 3 | 3 | | | | | 10 | 10 | 158 | 0.04 | | 0.03 | 550 | | | | | | | 52.67 | 0.015 | | 0.011 | 183 | | | | | | | | | | |
| CFL (23W) | 6 | 6 | | | | | 24 | 24 | 356 | 0.13 | | 0.12 | 1,607 | | | | | | | 59.36 | 0.022 | | 0.019 | 268 | | | | | | | | | | |
| CFL (25W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| CFL Circline (30W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| Waterbed Mattress Pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| Refrigerator/Freezer | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| Refrigerator Removal | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| Refrigerator Exchange | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| Freezer Exchange | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| Costs for Measures Without Energy Impacts Installed in 144 Total Households with Spending and/or Energy Impacts: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | 441,172 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified Insul. | 94 | | | | | | | | | 14,620 | | | | | | | | | 155.53 | | | | | | | | | | | | | | | |
| Duct Insulation | 0 | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Duct Sealing | 0 | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Dammng Material | 1 | | | | | | | | | 37 | | | | | | | | | 36.90 | | | | | | | | | | | | | | | |
| Htg. Sys. Tune & Clean | 141 | | | | | | | | | 18,420 | | | | | | | | | 130.64 | | | | | | | | | | | | | | | |
| Htg. Sys./WH/ Other | 22 | | | | | | | | | 12,273 | | | | | | | | | 557.86 | | | | | | | | | | | | | | | |
| Space Heater Repl. | 0 | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Air Conditioning Work | 0 | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Water Heater Repl. | 50 | | | | | | | | | 1,221 | | | | | | | | | 24.41 | | | | | | | | | | | | | | | |
| Water Heater Repair | 0 | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Refrigerator Coil Clean | 0 | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Unspecified Utility Meas | 0 | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Asbestos Abatement | 0 | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| CO Detector | 26 | | | | | | | | | 2,877 | | | | | | | | | 110.65 | | | | | | | | | | | | | | | |
| Smoke Detector | 0 | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Fuses | 0 | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Htg Sys Safety Check | 142 | | | | | | | | | 10,325 | | | | | | | | | 72.71 | | | | | | | | | | | | | | | |
| Exhaust Ventilation | 32 | | | | | | | | | 9,731 | | | | | | | | | 304.10 | | | | | | | | | | | | | | | |
| Health/Safety Repairs | 0 | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Health/Safety Other | 1 | | | | | | | | | 576 | | | | | | | | | 576.30 | | | | | | | | | | | | | | | |
| Consumables | 144 | | | | | | | | | 4,244 | | | | | | | | | 29.47 | | | | | | | | | | | | | | | |
| Preservation | 0 | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Roof Repairs | 0 | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| General Repairs | 114 | | | | | | | | | 45,279 | | | | | | | | | 397.19 | | | | | | | | | | | | | | | |
| Evaluator Labor | 144 | | | | | | | | | 64,800 | | | | | | | | | 450.00 | | | | | | | | | | | | | | | |
| Inspector Labor | 144 | | | | | | | | | 49,824 | | | | | | | | | 346.00 | | | | | | | | | | | | | | | |
| Eval/Insp Labor | 0 | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Meter Refrig (no action) | 0 | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Meter Freezer (no action) | 0 | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Support | 144 | | | | | | | | | 212,295 | | | | | | | | | 1474.27 | | | | | | | | | | | | | | | |
| Landlord | 7 | | | | | | | | | (5,351) | | | | | | | | | -764.40 | | | | | | | | | | | | | | | |
| Landlord | 0 | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Warehouse | 0 | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |
| Unspecified | 0 | | | | | | | | | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | |

NE Iowa
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Electricity | | | | Annual kWh | Pk-Day therms | Gas | | | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Electricity | | | | Annual kWh | Pk-Day therms | Gas | | | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | Summer kW | kWh | Winter kW | kWh | | | Annual therms | Annual therms | Annual therms | | | | | Annual therms | Annual therms | Annual therms | Annual therms | | | Annual therms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OVERALL | 113 | 112 | 62 | 42 | 5 | 0 | | | 567,629 | 29.4 | 18.6 | 26.7 | | 153,249 | 567 | 55,766 | 33,009 | 2,501 | 0 | 5023.26 | 0.177 | | 0.147 | | 1,368 | 9.145 | 899 | 786 | 500 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

New View
Calendar Year 2001 Estimates

| | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | |
|-----------------------|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|-----------|----------|-----------|------------------------------|------------|---------------|-------------------|-----------------|------------------|------------------|------------------------------------|-----------|-----------|---|---------------|---------------|-----------------|-------------------|-----------------|------------------|------------|---|--|--|--|--|--|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | Gas Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | Gas Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | | |
| Measure | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | Gas Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | Gas Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | | |
| OVERALL | 109 | 104 | 89 | 8 | 12 | 0 | 92 | 109 | 473,267 | 44.8 | 23,958 | 21.6 | 15,144 | 162,831 | 301 | 28,631 | 2,636 | 3,102 | 0 | 4341.90 | 0.215 | 0.096 | - | - | - | 1,566 | 3,380 | 322 | 329 | 259 | - | | | | | |
| Shell & Htg. Sys. | 109 | 104 | 89 | 8 | 12 | 0 | 92 | 109 | 436,869 | 32.0 | 23,958 | 7.2 | 15,144 | 39,102 | 301 | 28,631 | 2,636 | 3,102 | 0 | 4007.98 | 0.348 | 260 | 0.066 | 139 | 376 | 3,380 | 322 | 329 | 259 | - | | | | | | |
| Wall Insul. | 68 | 68 | 57 | 5 | 6 | 0 | 61 | 68 | 92,574 | 12.18 | 9,107 | 3 | 8,145 | 17,252 | 102 | 9,740 | 847 | 829 | 0 | 1361.38 | 0.00 | 149 | 0.057 | 120 | 254 | 1,786 | 171 | 169 | 138 | - | | | | | | |
| Ceiling Insul. | 98 | 98 | 81 | 6 | 11 | 0 | 86 | 98 | 123,605 | 17.38 | 13,004 | 2.45 | 5,154 | 18,158 | 62 | 5,925 | 414 | 617 | 0 | 1261.28 | 0.202 | 151 | 0.025 | 53 | 185 | 0.769 | 73 | 69 | 56 | - | | | | | | |
| Infil. Reduction | 104 | 92 | 85 | 7 | 10 | 0 | 92 | 102 | 24,717 | 1.48 | 1,105 | 0.00 | 0 | 1,105 | 44 | 4,216 | 507 | 328 | 0 | 237.66 | - | - | - | - | - | - | - | 72 | 33 | - | | | | | | |
| Found./Crawl. Insul. | 27 | 27 | 21 | 4 | 2 | 0 | 26 | 27 | 17,427 | 0.99 | 742 | 0.72 | 1,519 | 2,260 | 16 | 1,535 | 357 | 69 | 0 | 645.44 | 0.038 | 29 | 0.027 | 56 | 84 | 0.766 | 73 | 89 | 35 | - | | | | | | |
| Bandjoist Insul. | 41 | 41 | 31 | 2 | 8 | 0 | - | 41 | 5,305 | 0.00 | 0 | 0.15 | 326 | 326 | 4 | 334 | 25 | 65 | 0 | 129.38 | - | - | 0.004 | 8 | 8 | 0.113 | 11 | 12 | 8 | - | | | | | | |
| Hi-Eff Htg Sys Repl | 12 | 0 | 11 | 0 | 1 | 0 | - | 12 | 46,630 | 0.00 | 0 | 0.00 | 0 | 0 | 27 | 2,630 | 0 | 145 | 0 | 3885.83 | - | - | 0.000 | 0 | - | 2,495 | 239 | - | 145 | - | | | | | | |
| Std-Eff Htg Sys Repl | 39 | 0 | 27 | 3 | 9 | 0 | - | 39 | 126,612 | 0.00 | 0 | 0.00 | 0 | 0 | 45 | 4,253 | 486 | 1,049 | 0 | 3246.47 | - | - | 0.000 | 0 | - | 1,656 | 158 | 162 | 117 | - | | | | | | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | | | | |
| Water Heating | 15 | 15 | 0 | 0 | 0 | 0 | 14 | 14 | 0 | 0 | 0 | 0 | 619 | 1.0 | 1,403 | 0.0 | 0 | 0 | 0 | 41.27 | 0.069 | 0.109 | 760 | - | - | - | - | - | - | - | | | | | | |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| VH Wrp | 13 | 13 | 0 | 0 | 0 | 0 | 0 | 13 | 476 | 0.64 | 0.75 | 6,255 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 36.62 | 0.049 | 0.058 | 481 | - | - | - | - | - | - | - | | | | | | |
| Pipe Insul. | 12 | 12 | 0 | 0 | 0 | 0 | 0 | 12 | 2,360 | 0.24 | 0.28 | 2,360 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 6.00 | 0.020 | 0.024 | 197 | - | - | - | - | - | - | - | | | | | | |
| LF Showerhead | 4 | 4 | 0 | 0 | 0 | 0 | 8 | 8 | 0 | 0 | 0 | 0.45 | 2,121 | 0.00 | 0 | 0 | 0 | 0 | 0 | 14.00 | 0.029 | 0.113 | 530 | - | - | - | - | - | - | - | | | | | | |
| Faucet Aerator | 2 | 2 | 0 | 0 | 0 | 0 | 6 | 6 | 0 | 0 | 0 | 0.14 | 667 | 0.00 | 0 | 0 | 0 | 0 | 0 | 7.50 | 0.018 | 0.071 | 334 | - | - | - | - | - | - | - | | | | | | |
| Lighting | 101 | 101 | 0 | 0 | 0 | 0 | 1,897 | 1,897 | 13,918 | 4.3 | 4.8 | 52,053 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 137.81 | 0.043 | 0.048 | 515 | - | - | - | - | - | - | - | | | | | | |
| Capsylite (42W) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Capsylite (52W) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Capsylite (72W) | 2 | 2 | 0 | 0 | 0 | 0 | 16 | 16 | 272 | 0.05 | 0.04 | 616 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 136.00 | 0.025 | 0.018 | 308 | - | - | - | - | - | - | - | | | | | | |
| Capsylite, unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (5W) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (7W) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (9W) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (11W) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (15W) | 38 | 38 | 0 | 0 | 0 | 0 | 280 | 280 | 4,791 | 1.03 | 0.98 | 12,598 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 126.08 | 0.027 | 0.026 | 332 | - | - | - | - | - | - | - | | | | | | |
| CFL (18W) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (20W) | 6 | 6 | 0 | 0 | 0 | 0 | 34 | 34 | 562 | 0.15 | 0.11 | 1,869 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 93.60 | 0.025 | 0.019 | 312 | - | - | - | - | - | - | - | | | | | | |
| CFL (23W) | 46 | 46 | 0 | 0 | 0 | 0 | 358 | 358 | 6,086 | 2.00 | 2.37 | 23,975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 132.30 | 0.043 | 0.052 | 521 | - | - | - | - | - | - | - | | | | | | |
| CFL (25W) | 16 | 16 | 0 | 0 | 0 | 0 | 122 | 122 | 1,669 | 0.75 | 0.78 | 9,154 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 104.31 | 0.047 | 0.049 | 572 | - | - | - | - | - | - | - | | | | | | |
| CFL Circline (30W) | 7 | 7 | 0 | 0 | 0 | 0 | 32 | 32 | 539 | 0.33 | 0.53 | 3,841 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76.97 | 0.048 | 0.075 | 549 | - | - | - | - | - | - | - | | | | | | |
| CFL, unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Waterbed Mattress Pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Refrigerator/Freezer | 23 | 23 | 0 | 0 | 0 | 0 | 46 | 46 | 21,861 | 7.43 | 7.96 | 60,273 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 950.46 | 0.323 | 0.346 | 2,621 | - | - | - | - | - | - | - | | | | | | |
| Refrigerator, Rova | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 40 | 0.53 | 0.49 | 3,980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40.00 | 0.025 | 0.026 | 2 | - | - | - | - | - | - | - | | | | | | |
| Refrigerator Exchange | 19 | 19 | 0 | 0 | 0 | 0 | 38 | 38 | 20,207 | 6.22 | 6.66 | 50,425 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1063.50 | 0.328 | 0.350 | 2,654 | - | - | - | - | - | - | - | | | | | | |
| Freezer Removal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Freezer Exchange | 3 | 3 | 0 | 0 | 0 | 0 | 6 | 6 | 1,614 | 0.72 | 0.77 | 5,868 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 538.00 | 0.241 | 0.258 | 1,956 | - | - | - | - | - | - | - | | | | | | |

Costs for Measures Without Energy Impacts Installed in 110 Total Households with Spending and/or Energy Impacts:

| Total | | 295,922 | |
|---------------------------|-----|---------|---------|
| Unspecified Insul. | 98 | 25,918 | 264.47 |
| Duct Insulation | 1 | 66 | 66.00 |
| Duct Sealing | 0 | 0 | 0.00 |
| Damming Material | 58 | 1,522 | 26.23 |
| Htg. Sys. Tune & Clean | 48 | 3,193 | 66.51 |
| Htg. Sys./WH Other | 27 | 4,646 | 172.07 |
| Space Heater Repl. | 0 | 0 | 0.00 |
| Air Conditioning Work | 0 | 0 | 0.00 |
| Water Heater Repl. | 15 | 11,850 | 790.00 |
| Water Heater Repair | 0 | 0 | 0.00 |
| Refrigerator Coil Clean | 0 | 0 | 0.00 |
| Unspecified Utility Meas | 0 | 0 | 0.00 |
| Asbestos Abatement | 0 | 0 | 0.00 |
| CO Detector | 46 | 4,952 | 107.66 |
| Smoke Detector | 0 | 0 | 0.00 |
| Fuses | 0 | 0 | 0.00 |
| Htg Sys Safety Check | 8 | 1,010 | 126.29 |
| Exhaust Ventilator | 63 | 40,223 | 638.46 |
| Health/Safety Repairs | 0 | 0 | 0.00 |
| Health/Safety Other | 5 | 2,133 | 426.53 |
| Consumables | 0 | 0 | 0.00 |
| Preservation | 0 | 0 | 0.00 |
| Roof Repairs | 0 | 0 | 0.00 |
| General Repairs | 82 | 33,507 | 408.62 |
| Evaluator Labor | 109 | 6,772 | 62.12 |
| Inspector Labor | 109 | 6,037 | 55.38 |
| Eval/Insp Labor | 0 | 0 | 0.00 |
| Meter Refrig (no action) | 0 | 0 | 0.00 |
| Meter Freezer (no action) | 0 | 0 | 0.00 |
| Support | 110 | 158,644 | 1442.22 |
| Landlord | 6 | (3,958) | -659.69 |
| Landlord | 1 | (591) | -591.48 |
| Warehouse | 0 | 0 | 0.00 |
| Unspecified | 0 | 0 | 0.00 |

Total Reported Materials, Labor, and Support Costs:

Grand Total of Expenditures:

Threshold
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------------------------|----------|-----|---------|----------|-------|---|---------|--|--|--|--|------------------------------|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Costs for Measures Without Energy Impacts Installed in 68 Total Households with Spending and/or Energy Impacts:

| | | | |
|---------------------------|----|---------|---------|
| Total | | 243,882 | |
| Unspecified Insul. | 63 | 16,611 | 263.66 |
| Duct Insulation | 0 | 0 | 0.00 |
| Duct Sealing | 9 | 1,571 | 174.59 |
| Damming Material | 48 | 2,544 | 53.01 |
| Htg. Sys. Tune & Clean | 49 | 10,603 | 216.40 |
| Htg. Sys./Wrt Other | 15 | 4,273 | 264.88 |
| Space Heater Repl. | 0 | 0 | 0.00 |
| Air Conditioning Work | 3 | 502 | 167.30 |
| Water Heater Repl. | 4 | 2,390 | 597.50 |
| Water Heater Repair | 0 | 0 | 0.00 |
| Refrigerator Coil Clean | 0 | 0 | 0.00 |
| Unspecified Utility Meas | 0 | 0 | 0.00 |
| Asbestos Abatement | 0 | 0 | 0.00 |
| CO Detector | 27 | 2,649 | 98.10 |
| Smoke Detector | 0 | 0 | 0.00 |
| Fuses | 0 | 0 | 0.00 |
| Htg Sys Safety Check | 68 | 10,528 | 154.83 |
| Exhaust Ventilation | 37 | 4,731 | 127.88 |
| Health/Safety Repairs | 0 | 0 | 0.00 |
| Health/Safety Other | 0 | 0 | 0.00 |
| Consumables | 68 | 1,938 | 28.50 |
| Preservation | 0 | 0 | 0.00 |
| Roof Repairs | 0 | 0 | 0.00 |
| General Repairs | 53 | 21,942 | 414.00 |
| Evaluator Labor | 68 | 28,853 | 424.31 |
| Inspector Labor | 68 | 35,388 | 520.42 |
| Eval/Insp Labor | 0 | 0 | 0.00 |
| Meter Refrig (no action) | 0 | 0 | 0.00 |
| Meter Freezer (no action) | 0 | 0 | 0.00 |
| Support | 68 | 101,450 | 1491.92 |
| Landlord | 3 | (2,094) | -697.87 |
| Landlord | 0 | 0 | 0.00 |
| Warehouse | 0 | 0 | 0.00 |
| Unspecified | 0 | 0 | 0.00 |

Total Reported Materials, Labor, and Support Costs:

573,173

Grand Total of Expenditures:

573,173

SCICAP
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | |
|-----------------------|-----------------------------------|----------|-----|---------|----------|-------|---|----------|-----|------------------------------------|-------------|------------|------------------------------|------------|------------|---------------|---------------|-----------------|------------------|------------|------------------------------------|-------------|---|------------|---------------|---------------|-----------------|------------------|-----------------|------------------|------------|--|
| Measure | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | | Spending on Materials & Labor (\$) | Electricity | | | | | Gas | | | | | Spending on Materials & Labor (\$) | Electricity | | | | | Gas | | | | | |
| | | | | | | | | | | | Summer kW | Summer kWh | Winter kW | Winter kWh | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | Summer kWh | Winter kW | Winter kWh | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | |
| OVERALL | 54 | 54 | 43 | 6 | 3 | 0 | | | | 239,226 | 18.0 | | 25.2 | | 85,591 | 361 | 33,214 | 3,152 | 1,742 | 0 | 4430.12 | 0.222 | | 0.231 | | 1,585 | 8.385 | 772 | 525 | 581 | - | |
| Shell & Htg. Sys. | 54 | 54 | 41 | 6 | 3 | 0 | 26 | 54 | | 227,345 | 13.9 | 10,431 | 18.5 | 37,085 | 47,517 | 357 | 32,131 | 3,063 | 1,742 | 0 | 4210.09 | 0.536 | 401 | 0.343 | 687 | 880 | 8.713 | 784 | 511 | 581 | - | |
| Wall Insul. | 39 | 39 | 32 | 3 | 3 | 0 | 17 | 39 | | 41,936 | 5.17 | 3,871 | 2.91 | 5,807 | 9,679 | 108 | 9,760 | 692 | 602 | 0 | 1075.28 | 0.304 | 228 | 0.075 | 149 | 248 | 3.389 | 305 | 231 | 201 | - | |
| Ceiling Insul. | 51 | 51 | 38 | 6 | 3 | 0 | 25 | 51 | | 100,185 | 7.06 | 5,284 | 7.74 | 15,597 | 20,882 | 77 | 6,904 | 863 | 472 | 0 | 1964.41 | 0.282 | 211 | 0.152 | 306 | 409 | 2.018 | 182 | 144 | 157 | - | |
| Infil. Reduction | 53 | 27 | 40 | 6 | 3 | 0 | 26 | 53 | | 18,863 | 0.85 | 633 | 3.34 | 6,672 | 7,305 | 78 | 7,035 | 911 | 195 | 0 | 355.90 | - | - | - | - | - | - | - | 152 | 65 | - | |
| Found./Crawl. Insul. | 31 | 31 | 24 | 2 | 3 | 0 | 13 | 31 | | 22,498 | 0.85 | 642 | 4.46 | 8,837 | 9,479 | 43 | 3,876 | 268 | 187 | 0 | 725.73 | 0.066 | 49 | 0.144 | 285 | 306 | 1.803 | 161 | 134 | 62 | - | |
| Bandjoist Insul. | 27 | 27 | 22 | 4 | 1 | 0 | - | 27 | | 2,210 | 0.00 | 0 | 0.09 | 173 | 173 | 4 | 367 | 67 | 12 | 0 | 81.84 | - | - | 0.003 | 6 | 6 | 0.185 | 17 | 17 | 12 | - | |
| Hi-Eff Htg Sys Repl | 2 | 0 | 2 | 0 | 0 | 0 | - | 2 | | 5,528 | 0.00 | 0 | 0.00 | 0 | 0 | 10 | 898 | 0 | 0 | 0 | 2764.00 | - | - | 0.000 | 0 | - | 5.023 | 449 | - | - | - | |
| Std-Eff Htg Sys Repl | 11 | 0 | 10 | 0 | 1 | 0 | - | 11 | | 35,656 | 0.00 | 0 | 0.00 | 0 | 0 | 37 | 3,292 | 0 | 274 | 0 | 3241.45 | - | - | 0.000 | 0 | - | 3.651 | 329 | - | 274 | - | |
| Other Htg Sys Repl | 1 | 0 | 0 | 1 | 0 | 0 | - | 1 | | 470 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 261 | 0 | 0 | 470.00 | - | - | 0.000 | 0 | - | - | - | 261 | - | - | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | |
| Water Heating | 34 | 13 | 20 | 1 | 0 | 0 | 36 | 10 | 22 | 4 | 0 | 0 | 1,487 | 0.6 | 1.0 | 7,578 | 3.3 | 1,083 | 89 | 0 | 0 | 43.74 | 0.048 | 0.080 | 583 | 0.167 | 54 | 89 | - | - | - | |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| WH Wrap | 11 | 3 | 8 | 0 | 0 | 0 | | | | | | | 291 | 0.15 | 0.17 | 1,443 | 0.7 | 228 | 0 | 0 | 26.42 | 0.049 | 0.058 | 481 | 0.082 | 28 | - | - | - | - | - | |
| Pipe Insul. | 27 | 9 | 18 | 0 | 0 | 0 | | | | | | | 398 | 0.18 | 0.21 | 1,770 | 0.7 | 244 | 0 | 0 | 14.75 | 0.020 | 0.024 | 197 | 0.039 | 14 | - | - | - | - | - | |
| LF Showerhead | 15 | 5 | 9 | 1 | 0 | 0 | 32 | 10 | 18 | 4 | 0 | 0 | 791 | 0.29 | 0.65 | 4,364 | 1.9 | 591 | 89 | 0 | 0 | 52.76 | 0.058 | 0.131 | 873 | 0.213 | 66 | 89 | - | - | - | |
| Faucet Aerator | 2 | 0 | 2 | 0 | 0 | 0 | 4 | 0 | 4 | 0 | 0 | 0 | 7 | 0.00 | 0.00 | 0 | 0.1 | 20 | 0 | 0 | 3.41 | - | - | - | 0.033 | 10 | - | - | - | - | - | |
| Lighting | 42 | 42 | | | | | 1,897 | 1,897 | | 2,802 | 1.4 | 3.5 | 14,573 | | | | | | | | 66.72 | 0.034 | 0.084 | 347 | - | - | - | - | - | - | - | |
| Capsylite (42W) | 1 | 1 | | | | | 2 | 2 | | 5 | 0.01 | 0.01 | 54 | | | | | | | | 4.78 | 0.005 | 0.014 | 54 | | | | | | | | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | | | | | | 0.00 | - | - | - | | | | | | | | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | | | | | | 0.00 | - | - | - | | | | | | | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | | | | | | 0.00 | - | - | - | | | | | | | | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | | | | | | 0.00 | - | - | - | | | | | | | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | | | | | | 0.00 | - | - | - | | | | | | | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | | | | | | 0.00 | - | - | - | | | | | | | | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | | | | | | 0.00 | - | - | - | | | | | | | | |
| CFL (15W) | 13 | 13 | | | | | 56 | 56 | | 538 | 0.24 | 0.57 | 2,520 | | | | | | | | 41.42 | 0.019 | 0.044 | 194 | | | | | | | | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | | | | | | 0.00 | - | - | - | | | | | | | | |
| CFL (20W) | 17 | 17 | | | | | 62 | 62 | | 686 | 0.33 | 0.80 | 3,409 | | | | | | | | 40.35 | 0.019 | 0.047 | 201 | | | | | | | | |
| CFL (23W) | 8 | 8 | | | | | 40 | 40 | | 537 | 0.26 | 0.63 | 2,679 | | | | | | | | 67.13 | 0.032 | 0.078 | 335 | | | | | | | | |
| CFL (25W) | 14 | 14 | | | | | 50 | 50 | | 748 | 0.37 | 0.93 | 3,752 | | | | | | | | 53.43 | 0.026 | 0.067 | 268 | | | | | | | | |
| CFL Circline (30W) | 6 | 6 | | | | | 18 | 18 | | 288 | 0.22 | 0.56 | 2,160 | | | | | | | | 48.04 | 0.036 | 0.094 | 360 | | | | | | | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | | | | | | 0.00 | - | - | - | | | | | | | | |
| Waterbed Mattress Pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Refrigerator/Freezer | 5 | 5 | | | | | 12 | 12 | | 7,592 | 2.05 | 2.10 | 15,924 | | | | | | | | 1518.40 | 0.410 | 0.420 | 3,185 | | | | | | | | |
| Refrigerator Remove | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Refrigerator Exchange | 5 | 5 | | | | | 12 | 12 | | 7,592 | 2.05 | 2.10 | 15,924 | | | | | | | | 1518.40 | 0.410 | 0.420 | 3,185 | | | | | | | | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Freezer Exchange | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | |

Costs for Measures Without Energy Impacts Installed in 54 Total Households with Spending and/or Energy Impacts:

| | | | |
|---------------------------|----|---------|----------|
| Total | | 199,719 | |
| Unspecified Insul. | 54 | 15,554 | 288.05 |
| Duct Insulation | 0 | 0 | 0.00 |
| Duct Sealing | 29 | 5,226 | 180.21 |
| Damming Material | 14 | 194 | 13.85 |
| Htg. Sys. Tune & Clean | 35 | 3,386 | 96.74 |
| Htg. Sys. WHr Other | 14 | 5,277 | 376.96 |
| Space Heater Repl. | 2 | 3,566 | 1783.00 |
| Air Conditioning Work | 0 | 0 | 0.00 |
| Water Heater Repl. | 1 | 800 | 800.00 |
| Water Heater Repair | 0 | 0 | 0.00 |
| Refrigerator Coil Clean | 0 | 0 | 0.00 |
| Unspecified Utility Meas | 0 | 0 | 0.00 |
| Asbestos Abatement | 0 | 0 | 0.00 |
| CO Detector | 24 | 2,039 | 84.94 |
| Smoke Detector | 0 | 0 | 0.00 |
| Fuses | 0 | 0 | 0.00 |
| Htg Sys Safety Check | 18 | 385 | 21.39 |
| Exhaust Ventilation | 46 | 4,673 | 101.58 |
| Health/Safety Repairs | 0 | 0 | 0.00 |
| Health/Safety Other | 2 | 393 | 196.31 |
| Consumables | 4 | 38 | 9.44 |
| Preservation | 0 | 0 | 0.00 |
| Roof Repairs | 0 | 0 | 0.00 |
| General Repairs | 53 | 35,227 | 664.66 |
| Evaluator Labor | 54 | 9,590 | 185.00 |
| Inspector Labor | 53 | 16,697 | 315.03 |
| Eval/Insp Labor | 0 | 0 | 0.00 |
| Meter Refrig (no action) | 0 | 0 | 0.00 |
| Meter Freezer (no action) | 0 | 0 | 0.00 |
| Support | 54 | 97,275 | 1801.39 |
| Landlord | 1 | (1,000) | -1000.00 |
| Landlord | 0 | 0 | 0.00 |
| Warehouse | 0 | 0 | 0.00 |
| Unspecified | 0 | 0 | 0.00 |

Total Reported Materials, Labor, and Support Costs:

438,946

Grand Total of Expenditures:

438,946

SE Iowa
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | |
|---|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|-------------|------------|------------|------------------------------|---------------|---------------|-----------------|------------------|-----------------|------------------------------------|-------------|------------------------------------|------------|---|------------|---------------|-----------------|------------------|------------------|------------|---|---|--|--|--|--|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Electricity | | Annual kWh | Pk-Day therms | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Electricity | | Annual kWh | Pk-Day therms | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | | | |
| | | | | | | | | | | Summer kW | Winter kWh | | | Annual therms | Annual therms | | | | | Summer kW | Winter kWh | | | Annual kWh | Annual therms | | | | | | | | | | |
| OVERALL | 82 | 82 | 77 | 3 | 0 | 0 | | | 483,111 | 45.2 | 35.2 | | 150,779 | 851 | 75,218 | 2,341 | 0 | 0 | 5891.60 | 0.307 | 0.233 | | 1,839 | 11.054 | 977 | 780 | - | - | | | | | | | |
| Shell & Htg. Sys. | 82 | 81 | 77 | 3 | 0 | 0 | 78 | 82 | 453,879 | 35.6 | 26,613 | 19.0 | 36,897 | 63,510 | 851 | 74,721 | 2,341 | 0 | 0 | 5535.10 | 0.456 | 341 | 0.232 | 450 | 784 | 11,046 | 970 | 780 | - | - | | | | | |
| Wall Insul. | 72 | 72 | 68 | 3 | 0 | 0 | 69 | 72 | 126,557 | 19.52 | 14,596 | 9.81 | 19,030 | 33,626 | 353 | 31,005 | 806 | 0 | 0 | 1757.74 | 0.283 | 212 | 0.136 | 264 | 467 | 5,189 | 456 | 269 | - | - | | | | | |
| Ceiling Insul. | 65 | 65 | 61 | 3 | 0 | 0 | 62 | 65 | 82,570 | 14.95 | 11,182 | 2.73 | 5,298 | 16,480 | 110 | 9,681 | 302 | 0 | 0 | 1270.30 | 0.241 | 180 | 0.042 | 82 | 254 | 1,804 | 159 | 101 | - | - | | | | | |
| Infltr. Reduction | 81 | 78 | 76 | 3 | 0 | 0 | 78 | 81 | 114,091 | 0.34 | 252 | 4.77 | 9,236 | 9,489 | 207 | 18,201 | 680 | 0 | 0 | 1408.54 | - | - | - | - | - | - | - | 227 | - | - | | | | | |
| Found./Crawl. Insul. | 24 | 24 | 22 | 1 | 0 | 0 | 24 | 24 | 13,446 | 0.78 | 583 | 1.71 | 3,312 | 3,894 | 32 | 2,808 | 123 | 0 | 0 | 560.24 | 0.033 | 24 | 0.071 | 138 | 162 | 1,454 | 128 | 123 | - | - | | | | | |
| Bandjoist Insul. | 3 | 3 | 3 | 0 | 0 | 0 | - | 3 | 779 | 0.00 | 0 | 0.01 | 21 | 21 | 1 | 63 | 0 | 0 | 0 | 259.75 | - | - | 0.004 | 7 | 7 | 0.238 | 21 | - | - | - | | | | | |
| Hi-Eff Htg Sys Repl | 16 | 0 | 15 | 1 | 0 | 0 | - | 16 | 72,244 | 0.00 | 0 | 0.00 | 0 | 0 | 110 | 9,602 | 430 | 0 | 0 | 4515.27 | - | - | 0.000 | 0 | - | 7,302 | 640 | 430 | - | - | | | | | |
| Std-Eff Htg Sys Repl | 9 | 0 | 9 | 0 | 0 | 0 | - | 9 | 44,191 | 0.00 | 0 | 0.00 | 0 | 0 | 38 | 3,362 | 0 | 0 | 0 | 4910.12 | - | - | 0.000 | 0 | - | 4,246 | 374 | - | - | - | | | | | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | Summer kW | Winter kWh | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Summer kW | Winter kWh | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | | |
| Water Heating | 12 | 1 | 11 | 0 | 0 | 0 | 26 | 2 | 24 | 0 | 0 | 0 | 3,341 | 0.1 | 0.4 | 2,243 | 2.8 | 848 | 0 | 0 | 0 | 278.44 | 0.137 | 0.413 | 2,243 | 0.251 | 77 | - | - | - | | | | | |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| WH Wrap | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| Pipe Insul. | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| LF Showerhead | 12 | 1 | 11 | 0 | 0 | 0 | 26 | 2 | 24 | 0 | 0 | 0 | 3,341 | 0.14 | 0.41 | 2,243 | 2.8 | 848 | 0 | 0 | 0 | 278.44 | 0.137 | 0.413 | 2,243 | 0.251 | 77 | - | - | - | | | | | |
| Faucet Aerator | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| Lighting | 68 | 68 | | | | | 1,897 | 1,897 | | 5,835 | 2.6 | 6.6 | 26,652 | | | | | | | 85.81 | 0.038 | | 0.096 | | 392 | - | - | - | - | - | | | | | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| CFL (5W) | 4 | 4 | | | | | 16 | 16 | | 147 | 0.03 | 0.08 | 320 | | | | | | | 36.76 | 0.008 | | 0.021 | | 80 | | | | | | | | | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| CFL (11W) | 26 | 26 | | | | | 242 | 242 | | 2,006 | 0.69 | 1.73 | 7,020 | | | | | | | 77.17 | 0.027 | | 0.067 | | 270 | | | | | | | | | | |
| CFL (15W) | 37 | 37 | | | | | 230 | 230 | | 2,255 | 1.01 | 2.49 | 10,348 | | | | | | | 60.94 | 0.027 | | 0.067 | | 280 | | | | | | | | | | |
| CFL (18W) | 1 | 1 | | | | | 2 | 2 | | 28 | 0.01 | 0.03 | 114 | | | | | | | 28.34 | 0.011 | | 0.030 | | 114 | | | | | | | | | | |
| CFL (20W) | 17 | 17 | | | | | 62 | 62 | | 559 | 0.33 | 0.84 | 3,409 | | | | | | | 32.89 | 0.020 | | 0.049 | | 201 | | | | | | | | | | |
| CFL (23W) | 4 | 4 | | | | | 10 | 10 | | 157 | 0.07 | 0.16 | 670 | | | | | | | 39.31 | 0.016 | | 0.040 | | 167 | | | | | | | | | | |
| CFL (25W) | 14 | 14 | | | | | 38 | 38 | | 427 | 0.29 | 0.74 | 2,851 | | | | | | | 30.53 | 0.020 | | 0.053 | | 204 | | | | | | | | | | |
| CFL Circline (30W) | 6 | 6 | | | | | 16 | 16 | | 255 | 0.19 | 0.48 | 1,920 | | | | | | | 42.51 | 0.031 | | 0.080 | | 320 | | | | | | | | | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| Waterbed Mattress Pad | 4 | 4 | 4 | 0 | 0 | 0 | 16 | 8 | 8 | 0 | 0 | 0 | 0 | 100 | 0.00 | 2.32 | 6,130 | -2.1 | -351 | 0.0 | 0.0 | 0.0 | 0.0 | 25.00 | 0.000 | 0.581 | 1,533 | -0.533 | -88 | - | - | | | | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Unknown | 4 | 4 | 4 | 0 | 0 | 0 | 16 | 8 | 8 | 0 | 0 | 0 | 0 | 100 | 0.00 | 2.32 | 6,130 | -2.1 | -351 | 0.0 | 0.0 | 0.0 | 0.0 | 25.00 | 0.000 | 0.581 | 1,533 | -0.533 | -88 | - | - | | | | |
| Refrigerator/Freezer | 21 | 21 | | | | | 42 | 42 | | 19,956 | 6.82 | 6.90 | 52,243 | | | | | | | 950.27 | 0.325 | | 0.328 | | 2,488 | | | | | | | | | | |
| Refrigerator Removal | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| Refrigerator Exchange | 16 | 16 | | | | | 32 | 32 | | 17,406 | 5.54 | 5.61 | 42,464 | | | | | | | 1087.86 | 0.346 | | 0.350 | | 2,654 | | | | | | | | | | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | |
| Freezer Exchange | 5 | 5 | | | | | 10 | 10 | | 2,550 | 1.28 | 1.29 | 9,780 | | | | | | | 509.98 | 0.256 | | 0.258 | | 1,956 | | | | | | | | | | |
| Costs for Measures Without Energy Impacts Installed in 82 Total Households with Spending and/or Energy Impacts: | | | | | | | | | 227,011 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified Insul. | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct Insulation | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct Sealing | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Damming Material | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Htg. Sys. Tune & Clean | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Htg. Sys./WH Other | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Space Heater Repl. | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Air Conditioning Work | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water Heater Repl. | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water Heater Repair | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SIEDA
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | |
|--|-----------------------------------|----------|-----|---------|----------|-------|---|----------|---------|---------|------------------------------------|---------------|------------------------------|-------------|--------|------------|---------------|---------------|---------------|-----------------|------------------|------------------|---|---------|-----------|-------------|-----------|------------|---------------|---------------|---------------|-----------------|------------------|------------|---|--|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | | Heating | | Spending on Materials & Labor (\$) | Summer | | Electricity | | Annual kWh | Pk-Day therms | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Summer | | Electricity | | Annual kWh | Pk-Day therms | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | | |
| | | | | | | | kW | kWh | kW | kWh | | Annual therms | Annual therms | kW | kWh | | | Annual therms | Annual therms | | | | | | | | | | | | | | | | | |
| OVERALL | 138 | 138 | 93 | 43 | 1 | 0 | | | | | 683,572 | 83.1 | | 56.7 | | 301,693 | | 428 | 39,623 | 17,156 | 387 | 0 | | 4953.42 | 0.275 | | 0.185 | | 2,186 | 4.601 | 426 | 399 | 387 | - | | |
| Shell & Htg. Sys. | 138 | 137 | 92 | 41 | 1 | 0 | 133 | 138 | | | 623,211 | 61.4 | 46,108 | 17.6 | 34,418 | 80,526 | 423 | 37,571 | 16,333 | 387 | 0 | | 4516.02 | 0.461 | 347 | 0.128 | 249 | 588 | 4,599 | 408 | 398 | 387 | - | | | |
| Wall Insul. | 78 | 78 | 55 | 22 | 1 | 0 | 75 | 78 | | | 57,353 | 21.12 | 15,875 | 4.22 | 8,287 | 24,162 | 105 | 9,328 | 3,120 | 120 | 0 | | 735.30 | 0.282 | 212 | 0.054 | 106 | 310 | 1,910 | 170 | 142 | 120 | - | | | |
| Ceiling Insul. | 120 | 120 | 74 | 41 | 1 | 0 | 117 | 120 | | | 135,705 | 32.13 | 24,145 | 7.83 | 15,271 | 39,417 | 52 | 4,609 | 2,697 | 45 | 0 | | 1130.87 | 0.275 | 206 | 0.065 | 127 | 328 | 0.701 | 62 | 66 | 45 | - | | | |
| Infil. Reduction | 138 | 133 | 92 | 41 | 1 | 0 | 133 | 138 | | | 75,388 | 4.79 | 3,603 | 3.11 | 6,039 | 9,641 | 126 | 11,180 | 6,347 | 46 | 0 | | 546.29 | - | - | - | - | - | - | - | 155 | 46 | - | | | |
| Found./Crawl. Insul. | 47 | 47 | 33 | 13 | 1 | 0 | 46 | 47 | | | 32,376 | 3.30 | 2,485 | 1.27 | 2,503 | 4,988 | 31 | 2,728 | 1,013 | 54 | 0 | | 688.85 | 0.072 | 54 | 0.027 | 53 | 106 | 0.926 | 83 | 78 | 54 | - | | | |
| Bandjoist Insul. | 98 | 98 | 66 | 27 | 1 | 0 | - | 98 | | | 15,699 | 0.00 | 0 | 1.19 | 2,318 | 2,318 | 10 | 869 | 371 | 9 | 0 | | 160.19 | - | - | 0.012 | 24 | 24 | 0.148 | 13 | 14 | 9 | - | | | |
| Hi-Eff Htg Sys Repl | 1 | 0 | 1 | 0 | 0 | 0 | - | 1 | | | 4,894 | 0.00 | 0 | 0.00 | 0 | 0 | 2 | 200 | 0 | 0 | 0 | | 4894.00 | - | - | 0.000 | 0 | - | 2,253 | 200 | - | - | - | - | | |
| Std-Eff Htg Sys Repl | 69 | 0 | 51 | 17 | 1 | 0 | - | 69 | | | 298,762 | 0.00 | 0 | 0.00 | 0 | 0 | 94 | 8,364 | 2,785 | 113 | 0 | | 4329.88 | - | - | 0.000 | 0 | - | 1,848 | 164 | 164 | 113 | - | | | |
| Other Htg Sys Repl | 4 | 0 | 4 | 0 | 0 | 0 | - | 4 | | | 3,034 | 0.00 | 0 | 0.00 | 0 | 0 | 3 | 293 | 0 | 0 | 0 | | 758.50 | - | - | 0.000 | 0 | - | 0.836 | 73 | - | - | - | - | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | |
| Water Heating | 136 | 44 | 70 | 22 | 0 | 0 | 740 | 258 | 362 | 120 | 0 | 0 | 5,060 | 3.5 | | 7.2 | | 48,085 | 8.3 | 2,624 | 1,088 | 0 | 0 | 0 | 37.21 | 0.079 | | 0.164 | | 1,093 | 0.118 | 37 | 49 | - | - | |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | | |
| WH Wrap | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | | |
| Pipe Insul. | 131 | 43 | 68 | 20 | 0 | 0 | | | | | | | 1,347 | 0.86 | | 1.01 | | 8,458 | 2.1 | 720 | 221 | 0 | 0 | 0 | 10.28 | 0.020 | | 0.024 | | 197 | 0.030 | 11 | 11 | - | - | |
| LF Showerhead | 82 | 29 | 38 | 15 | 0 | 0 | 210 | 86 | 90 | 34 | 0 | 0 | 2,733 | 2.16 | | 5.14 | | 32,849 | 4.7 | 1,461 | 729 | 0 | 0 | 0 | 33.33 | 0.075 | | 0.177 | | 1,133 | 0.125 | 38 | 49 | - | - | |
| Faucet Aerator | 134 | 44 | 68 | 22 | 0 | 0 | 530 | 172 | 272 | 86 | 0 | 0 | 981 | 0.45 | | 1.05 | | 6,778 | 1.4 | 443 | 138 | 0 | 0 | 0 | 7.32 | 0.010 | | 0.024 | | 154 | 0.021 | 7 | 6 | - | - | |
| Lighting | 125 | 125 | | | | | 1,897 | 1,897 | | | | | 7,049 | 3.0 | | 7.4 | | 31,369 | | | | | | | 56.39 | 0.024 | | 0.059 | | 251 | - | - | - | - | - | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| CFL (15W) | 103 | 103 | | | | | 216 | 216 | | | | | 2,557 | 0.95 | | 2.34 | | 9,718 | | | | | | 24.83 | 0.009 | | 0.023 | | 94 | | | | | | | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| CFL (20W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| CFL (23W) | 44 | 44 | | | | | 88 | 88 | | | | | 1,385 | 0.58 | | 1.46 | | 5,893 | | | | | | 31.48 | 0.013 | | 0.033 | | 134 | | | | | | | |
| CFL (25W) | 78 | 78 | | | | | 210 | 210 | | | | | 3,107 | 1.52 | | 3.59 | | 15,757 | | | | | | 39.83 | 0.019 | | 0.046 | | 202 | | | | | | | |
| CFL Circline (30W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Waterbed Mattress Pad | 14 | 14 | 9 | 4 | 0 | 0 | 54 | 28 | 18 | 8 | 0 | 0 | 356 | 0.00 | | 8.87 | | 23,396 | -3.5 | -572 | -265.6 | 0.0 | 0.0 | 0 | 25.43 | 0.000 | | 0.633 | | 1,671 | -0.386 | -64 | -66 | - | - | |
| King | 14 | 14 | 9 | 4 | 0 | 0 | 54 | 28 | 18 | 8 | 0 | 0 | 356 | 0.00 | | 8.87 | | 23,396 | -3.5 | -572 | -265.6 | 0.0 | 0.0 | 0 | 25.43 | 0.000 | | 0.633 | | 1,671 | -0.386 | -64 | -66 | - | - | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Refrigerator/Freezer | 41 | 41 | | | | | 120 | 120 | | | | | 47,896 | 15.25 | | 15.62 | | 118,317 | | | | | | | 1168.20 | 0.372 | | 0.381 | | 2,886 | - | - | - | - | - | |
| Refrigerator Remova | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Refrigerator Exchange | 28 | 28 | | | | | 92 | 92 | | | | | 35,254 | 11.96 | | 12.26 | | 92,889 | | | | | | | 1259.07 | 0.427 | | 0.438 | | 3,317 | - | - | - | - | - | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Freezer Exchange | 13 | 13 | | | | | 28 | 28 | | | | | 12,642 | 3.29 | | 3.36 | | 25,428 | | | | | | | 972.46 | 0.253 | | 0.258 | | 1,956 | - | - | - | - | - | |
| Costs for Measures Without Energy Impacts Installed in 139 Total Households with Spending and/or Energy Impacts: | | | | | | | | | | | | | | 545,708 | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified Insul. | 125 | | | | | | | | | | | | 11,230 | | | | | | | | | | | | 89.84 | | | | | | | | | | | |
| Duct Insulation | 5 | | | | | | | | | | | | 718 | | | | | | | | | | | | 143.52 | | | | | | | | | | | |
| Duct Sealing | 0 | | | | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | |

Upper Des Moines
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | |
|-----------------------|-----------------------------------|----------|-----|---------|----------|---------------------------------|---|---------|------------------------------------|-------------|--------|-----------|------------------------------|------------|---------------|---------------|-----------------|------------------|---|------------------------------------|-------------|--------|-----------|-----|------------|---------------|---------------|-----------------|------------------|------------|--|--|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Electricity | | | | | Gas | | | | | Spending on Materials & Labor (\$) | Electricity | | | | | Gas | | | | | | |
| | | | | | | | | | | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | |
| OVERALL | 115 | 113 | 103 | 9 | 1 | 0 | | | 699,066 | 44.1 | | 19.6 | | 95,355 | 686 | 67,984 | 7,041 | 480 | 0 | 6078.83 | 0.339 | | 0.130 | | 844 | 6,659 | 660 | 782 | 480 | - | | |
| Shell & Htg. Sys. | 114 | 112 | 103 | 9 | 1 | 0 | 93 | 114 | 685,904 | 40.8 | 31,050 | 14.0 | 30,642 | 61,692 | 683 | 67,025 | 7,017 | 480 | 0 | 6016.70 | 0.438 | 334 | 0.123 | 269 | 551 | 6,630 | 651 | 780 | 480 | - | | |
| Wall Insul. | 88 | 88 | 78 | 8 | 1 | 0 | 72 | 88 | 185,962 | 19.26 | 14,663 | 8.71 | 19,081 | 33,744 | 249 | 24,424 | 2,952 | 266 | 0 | 2113.21 | 0.268 | 204 | 0.099 | 217 | 383 | 3,190 | 313 | 369 | 266 | - | | |
| Ceiling Insul. | 106 | 106 | 96 | 8 | 1 | 0 | 88 | 106 | 171,567 | 18.63 | 14,195 | 4.09 | 8,979 | 23,174 | 108 | 10,614 | 972 | 108 | 0 | 1618.56 | 0.212 | 161 | 0.039 | 85 | 219 | 1,128 | 111 | 122 | 108 | - | | |
| Infil. Reduction | 112 | 92 | 98 | 8 | 1 | 0 | 92 | 108 | 26,605 | 2.73 | 2,077 | 0.19 | 429 | 2,506 | 117 | 11,421 | 844 | 90 | 0 | 237.55 | - | - | - | - | - | - | - | 106 | 90 | - | | |
| Found./Crawl. Insul. | 31 | 31 | 27 | 4 | 0 | 0 | 27 | 31 | 22,257 | 0.15 | 115 | 0.78 | 1,677 | 1,792 | 31 | 3,072 | 434 | 0 | 0 | 717.96 | 0.006 | 4 | 0.025 | 54 | 58 | 1,166 | 114 | 108 | - | - | | |
| Bandjoist Insul. | 44 | 44 | 39 | 4 | 1 | 0 | - | 44 | 5,651 | 0.00 | 0 | 0.22 | 476 | 476 | 8 | 783 | 86 | 15 | 0 | 128.42 | - | - | 0.005 | 11 | 11 | 0.205 | 20 | 22 | 15 | - | | |
| Hi-Eff Htg Sys Repl | 36 | 0 | 34 | 2 | 0 | 0 | - | 36 | 159,353 | 0.00 | 0 | 0.00 | 0 | 0 | 108 | 10,717 | 810 | 0 | 0 | 4426.48 | - | - | 0.000 | 0 | - | 3,183 | 315 | 405 | - | - | | |
| Std-Eff Htg Sys Repl | 32 | 0 | 28 | 4 | 0 | 0 | - | 32 | 114,509 | 0.00 | 0 | 0.00 | 0 | 0 | 62 | 5,993 | 918 | 0 | 0 | 3578.40 | - | - | 0.000 | 0 | - | 2,200 | 214 | 230 | - | - | | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | Number of Measures by Fuel Type | | | | | | Summer | | | | | Winter | | | | | Annual | | | | | Pk-Day | | | | | |
| | | | | | | Total | Electric | Gas | Propane | Fuel Oil | Other | kW | kWh | kWh | kWh | therms | therms | gallons | gallons | Mbtu | | kW | kWh | kWh | kWh | therms | therms | gallons | gallons | Mbtu | | |
| Water Heating | 47 | 0 | 45 | 2 | 0 | 0 | 144 | 0 | 136 | 8 | 0 | 0 | 0 | 0 | 2,345 | 0.0 | 0.00 | 0 | 0 | 0 | 49.90 | - | - | - | - | 0.066 | 21 | 12 | - | - | | |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| WH Wrap | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Pipe Insul. | 33 | 0 | 32 | 1 | 0 | 0 | 415 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 415 | 0.00 | 0.00 | 0 | 0 | 0 | 12.58 | - | - | - | - | 0.038 | 13 | 13 | - | - | | |
| LF Showerhead | 5 | 0 | 5 | 0 | 0 | 0 | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 1,546 | 0.00 | 0.00 | 0 | 0 | 0 | 309.20 | - | - | - | - | 0.160 | 49 | - | - | - | | |
| Faucet Aerator | 38 | 0 | 36 | 2 | 0 | 0 | 134 | 0 | 126 | 8 | 0 | 0 | 0 | 0 | 384 | 0.00 | 0.00 | 0 | 0 | 0 | 10.11 | - | - | - | - | 0.027 | 8 | 5 | - | - | | |
| Lighting | 37 | 37 | | | | | 1,897 | 1,897 | | 6,460 | 2.3 | 4.5 | | 25,702 | | | | | | 174.59 | 0.062 | | 0.123 | | 695 | - | - | - | - | - | | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| CFL (11W) | 3 | 3 | | | | | 12 | 12 | | 204 | 0.03 | 0.05 | | 348 | | | | | | 68.00 | 0.010 | | 0.017 | | 116 | | | | | | | |
| CFL (15W) | 5 | 5 | | | | | 28 | 28 | | 476 | 0.11 | 0.21 | | 1,260 | | | | | | 95.20 | 0.022 | | 0.041 | | 252 | | | | | | | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| CFL (20W) | 3 | 3 | | | | | 12 | 12 | | 204 | 0.06 | 0.13 | | 660 | | | | | | 68.00 | 0.020 | | 0.043 | | 220 | | | | | | | |
| CFL (23W) | 15 | 15 | | | | | 146 | 146 | | 2,482 | 0.87 | 1.72 | | 9,778 | | | | | | 165.47 | 0.058 | | 0.114 | | 652 | | | | | | | |
| CFL (25W) | 18 | 18 | | | | | 182 | 182 | | 3,094 | 1.22 | 2.45 | | 13,656 | | | | | | 171.89 | 0.068 | | 0.136 | | 759 | | | | | | | |
| CFL Circline (30W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Waterbed Mattress Pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Refrigerator/Freezer | 3 | 3 | | | | | 6 | 6 | | 4,356 | 0.99 | 1.05 | | 7,962 | | | | | | 1452.00 | 0.329 | | 0.350 | | 2,654 | - | - | - | - | - | | |
| Refrigerator Remova | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Refrigerator Exchange | 3 | 3 | | | | | 6 | 6 | | 4,356 | 0.99 | 1.05 | | 7,962 | | | | | | 1452.00 | 0.329 | | 0.350 | | 2,654 | - | - | - | - | - | | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Freezer Exchange | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | |

Costs for Measures Without Energy Impacts Installed in 115 Total Households with Spending and/or Energy Impacts:
Total320,775
Unspecified Insul.11224,245216.47
Duct Insulation000.00
Duct Sealing000.00
Dammng Material822,28827.91
Htg. Sys. Tune & Clean202,486124.32
Htg. Sys./Wh/ Other124,498374.82
Space Heater Repl.000.00
Air Conditioning Work000.00
Water Heater Repl.1812,860714.43
Water Heater Repair000.00
Refrigerator Coil Clean000.00
Unspecified Utility Meas000.00
Asbestos Abatement000.00
CO Detector406,445161.12
Smoke Detector000.00
Fuses000.00
Htg Sys Safety Check416841.93
Exhaust Ventilation5815,277263.40
Health/Safety Repairs000.00
Health/Safety Other000.00
Consumables000.00
Preservation000.00
Roof Repairs000.00
General Repairs9740,951422.18
Evaluator Labor11519,832172.45
Inspector Labor11511,38098.96
Eval/Insp Labor000.00
Meter Refrig (no action)000.00
Meter Freezer (no action)000.00
Support115181,3441576.90
Landlord1(1,000)-1000.00
Landlord000.00
Warehouse000.00
Unspecified000.00
Total Reported Materials, Labor, and Support Costs:1,019,840
Grand Total of Expenditures:1,019,840

West Central
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | | |
|--|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|-------------|----------|-----------|------------------------------|------------|---------------|---------------|-----------------|------------------|------------------|------------------------------------|-------------|-----------|---|------------|---------------|---------------|-----------------|------------------|------------|---|---|--|--|--|--|--|--|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Electricity | | | | Annual kWh | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Electricity | | | | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | | | | |
| | | | | | | | | | | Summer kW | kWh | Winter kW | kWh | | Pk-Day therms | Annual therms | | | | | Summer kW | kWh | Winter kW | kWh | Pk-Day therms | Annual therms | | | | | | | | | | | |
| OVERALL | 156 | 156 | 146 | 9 | 0 | 0 | | | 736,984 | 63.5 | | 18.9 | | 121,976 | 762 | 73,733 | 5,338 | 0 | 0 | 4724.26 | 0.308 | | 0.086 | | 782 | 5,222 | 505 | | 593 | - | - | | | | | | |
| Shell & Htg. Sys. | 155 | 155 | 146 | 9 | 0 | 0 | 142 | 155 | 717,113 | 57.7 | 44,266 | 9.9 | 20,085 | 64,352 | 747 | 68,726 | 4,817 | 0 | 0 | 4626.54 | 0.406 | 312 | 0.064 | 130 | 415 | 5,120 | 471 | 535 | - | - | | | | | | | |
| Wall Insul. | 111 | 111 | 105 | 6 | 0 | 0 | 98 | 111 | 166,304 | 21.49 | 16,483 | 6.21 | 12,624 | 29,107 | 238 | 21,872 | 1,255 | 0 | 0 | 1498.24 | 0.219 | 168 | 0.056 | 114 | 262 | 2,266 | 208 | 209 | - | - | | | | | | | |
| Ceiling Insul. | 136 | 136 | 128 | 8 | 0 | 0 | 124 | 136 | 145,967 | 31.77 | 24,362 | 2.97 | 6,038 | 30,400 | 109 | 10,039 | 915 | 0 | 0 | 1073.28 | 0.256 | 196 | 0.022 | 44 | 224 | 0,853 | 78 | 114 | - | - | | | | | | | |
| Infil. Reduction | 155 | 142 | 145 | 9 | 0 | 0 | 142 | 154 | 84,648 | 4.59 | 3,521 | 0.00 | 0 | 3,521 | 184 | 16,857 | 948 | 0 | 0 | 546.12 | - | - | - | - | - | - | - | 105 | - | - | | | | | | | |
| Found./Crawl. Insul. | 44 | 44 | 41 | 3 | 0 | 0 | 42 | 44 | 12,356 | -0.13 | (100) | 0.52 | 1,057 | 958 | 19 | 1,785 | 163 | 0 | 0 | 280.83 | -0.003 | (2) | 0.012 | 24 | 22 | 0,474 | 44 | 54 | - | - | | | | | | | |
| Bandjoist Insul. | 43 | 43 | 41 | 2 | 0 | 0 | - | 43 | 3,690 | 0.00 | 0 | 0.18 | 366 | 366 | 6 | 581 | 31 | 0 | 0 | 85.82 | - | - | 0.004 | 9 | 9 | 0,154 | 14 | 16 | - | - | | | | | | | |
| Hi-Eff Htg Sys Repl | 9 | 0 | 8 | 1 | 0 | 0 | - | 9 | 38,852 | 0.00 | 0 | 0.00 | 0 | 0 | 26 | 2,413 | 364 | 0 | 0 | 4316.89 | - | - | 0.000 | 0 | - | 3,274 | 302 | 364 | - | - | | | | | | | |
| Std-Eff Htg Sys Repl | 82 | 0 | 78 | 4 | 0 | 0 | - | 82 | 265,295 | 0.00 | 0 | 0.00 | 0 | 0 | 165 | 15,178 | 1,140 | 0 | 0 | 3235.30 | - | - | 0.000 | 0 | - | 2,114 | 195 | 285 | - | - | | | | | | | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | | | | |
| Water Heating | 153 | 21 | 123 | 9 | 0 | 0 | 598 | 70 | 490 | 38 | 0 | 0 | 4,399 | 0.8 | 1.6 | 10,515 | 16.1 | 5,188 | 521 | 0 | 0 | 28.75 | 0.040 | 0.077 | 501 | 0.131 | 42 | 58 | - | - | | | | | | | |
| Temp. Reduct. | 4 | 0 | 4 | 0 | 0 | 0 | | | | | | | 0 | 0.00 | 0.00 | 0 | 0.5 | 174 | 0 | 0 | 0 | 0.00 | - | - | - | 0.125 | 43 | - | - | - | | | | | | | |
| WH Wrap | 36 | 4 | 31 | 1 | 0 | 0 | | | 1,224 | 0.20 | 0.23 | | 1,925 | 2.2 | 749 | 28 | 0 | 0 | 0 | 34.00 | 0.049 | 0.058 | 481 | 0.070 | 24 | 28 | - | - | - | - | | | | | | | |
| Pipe Insul. | 120 | 16 | 100 | 4 | 0 | 0 | | | 700 | 0.32 | 0.38 | | 3,147 | 3.3 | 1,148 | 53 | 0 | 0 | 0 | 5.83 | 0.020 | 0.024 | 197 | 0.033 | 11 | 13 | - | - | - | - | | | | | | | |
| LF Showerhead | 66 | 8 | 53 | 5 | 0 | 0 | 142 | 18 | 114 | 10 | 0 | 0 | 1,118 | 0.17 | 0.53 | 2,871 | 8.0 | 2,449 | 356 | 0 | 0 | 16.94 | 0.022 | 0.067 | 359 | 0.150 | 46 | 71 | - | - | | | | | | | |
| Faucet Aerator | 138 | 20 | 109 | 9 | 0 | 0 | 456 | 52 | 376 | 28 | 0 | 0 | 1,357 | 0.15 | 0.48 | 2,572 | 2.2 | 668 | 83 | 0 | 0 | 9.83 | 0.008 | 0.024 | 129 | 0.020 | 6 | 9 | - | - | | | | | | | |
| Lighting | 43 | 43 | | | | | 1,897 | 1,897 | | | | | 1,642 | 0.7 | 1.1 | 8,149 | | | | | 38.20 | 0.016 | 0.025 | 190 | - | - | - | - | - | - | | | | | | | |
| Capsylite (42W) | 13 | 13 | | | | | 92 | 92 | | | | | 460 | 0.21 | 0.32 | 2,466 | | | | | 35.38 | 0.016 | 0.025 | 190 | - | - | - | - | - | - | | | | | | | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | |
| Capsylite (72W) | 14 | 14 | | | | | 44 | 44 | | | | | 220 | 0.14 | 0.22 | 1,693 | | | | | 15.71 | 0.010 | 0.016 | 121 | - | - | - | - | - | - | | | | | | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | |
| CFL (11W) | 2 | 2 | | | | | 10 | 10 | | | | | 180 | 0.02 | 0.04 | 290 | | | | | 90.20 | 0.012 | 0.019 | 145 | - | - | - | - | - | - | | | | | | | |
| CFL (15W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | |
| CFL (20W) | 9 | 9 | | | | | 28 | 28 | | | | | 476 | 0.13 | 0.22 | 1,539 | | | | | 52.89 | 0.015 | 0.024 | 171 | - | - | - | - | - | - | | | | | | | |
| CFL (23W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | |
| CFL (25W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | |
| CFL Circline (30W) | 7 | 7 | | | | | 18 | 18 | | | | | 306 | 0.18 | 0.28 | 2,160 | | | | | 43.71 | 0.026 | 0.040 | 309 | - | - | - | - | - | - | | | | | | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | |
| Waterbed Mattress Pad | 3 | 3 | 3 | 0 | 0 | 0 | 12 | 6 | 6 | 0 | 0 | 0 | 90 | 0.00 | 1.74 | 4,598 | -1.1 | -180 | 0.0 | 0.0 | 0.0 | 0.000 | 0.581 | 1,533 | -0.365 | -60 | - | - | - | - | - | | | | | | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Unknown | 3 | 3 | 3 | 0 | 0 | 0 | 12 | 6 | 6 | 0 | 0 | 0 | 90 | 0.00 | 1.74 | 4,598 | -1.1 | -180 | 0.0 | 0.0 | 0.0 | 0.000 | 0.581 | 1,533 | -0.365 | -60 | - | - | - | - | - | | | | | | |
| Refrigerator/Freezer | 13 | 13 | | | | | 28 | 28 | | | | | 13,740 | 4.29 | 4.54 | 34,364 | | | | | 1056.90 | 0.330 | 0.349 | 2,643 | - | - | - | - | - | - | | | | | | | |
| Refrigerator Removal | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Refrigerator Exchange | 9 | 9 | | | | | 20 | 20 | | | | | 10,835 | 3.31 | 3.50 | 26,540 | | | | | 1203.93 | 0.368 | 0.389 | 2,949 | - | - | - | - | - | - | | | | | | | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Freezer Exchange | 4 | 4 | | | | | 8 | 8 | | | | | 2,904 | 0.98 | 1.03 | 7,824 | | | | | 726.07 | 0.245 | 0.258 | 1,956 | - | - | - | - | - | - | | | | | | | |
| Costs for Measures Without Energy Impacts Installed in 156 Total Households with Spending and/or Energy Impacts: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | 564,855 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified Insul. | 151 | | | | | | | | 51,434 | | | | | | | | | | | | 340.63 | | | | | | | | | | | | | | | | |
| Duct Insulation | 8 | | | | | | | | 423 | | | | | | | | | | | | 52.83 | | | | | | | | | | | | | | | | |
| Duct Sealing | 40 | | | | | | | | 4,036 | | | | | | | | | | | | 100.90 | | | | | | | | | | | | | | | | |
| Damming Material | 115 | | | | | | | | 5,760 | | | | | | | | | | | | 50.08 | | | | | | | | | | | | | | | | |
| Htg. Sys. Tune & Clean | 45 | | | | | | | | 4,230 | | | | | | | | | | | | 94.00 | | | | | | | | | | | | | | | | |
| Htg. Sys./WH Other | 30 | | | | | | | | 9,506 | | | | | | | | | | | | 316.86 | | | | | | | | | | | | | | | | |
| Space Heater Repl. | 0 | | | | | | | | 0 | | | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| Air Conditioning Work | 28 | | | | </ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Woodbury
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | |
|---|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|---------|----------|-------------|------------------------------|------------|---------------|---------------|---------------|-----------------|---|------------|------------------------------------|-----------|-----------|-------------|---------------|---------------|-----------------|------------------|-----------------|------------------|------------|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Summer | | Electricity | | Annual kWh | Pk-Day therms | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Summer | | Electricity | | Annual kWh | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu |
| | | | | | | | | | | kW | kWh | kW | kWh | | | Annual therms | Annual therms | | | | | kW | kWh | kW | kWh | | | | | | |
| OVERALL | 86 | 85 | 76 | 8 | 2 | 0 | | | 457,621 | 53.2 | | 19.1 | | 117,587 | 526 | 51,588 | 4,393 | 583 | 0 | 5321.18 | 0.332 | | 0.116 | | 1,383 | 6,919 | 678 | 549 | 292 | - | |
| Shell & Htg. Sys. | 85 | 84 | 74 | 8 | 2 | 0 | 80 | 85 | 435,263 | 46.6 | 35,760 | 10.8 | 22,027 | 57,788 | 515 | 47,951 | 4,382 | 583 | 0 | 5120.75 | 0.583 | 447 | 0.127 | 259 | 688 | 6,960 | 648 | 548 | 292 | - | |
| Wall Insul. | 49 | 49 | 42 | 4 | 2 | 0 | 46 | 49 | 79,492 | 21.21 | 16,270 | 5.82 | 11,871 | 28,140 | 141 | 13,100 | 1,045 | 389 | 0 | 1622.29 | 0.461 | 354 | 0.119 | 242 | 574 | 3,346 | 312 | 261 | 195 | - | |
| Ceiling Insul. | 78 | 78 | 68 | 7 | 2 | 0 | 74 | 78 | 115,196 | 21.03 | 16,132 | 3.13 | 6,404 | 22,536 | 88 | 8,208 | 854 | 116 | 0 | 1476.88 | 0.284 | 218 | 0.040 | 82 | 289 | 1,296 | 121 | 122 | 58 | - | |
| Infil. Reduction | 80 | 76 | 72 | 6 | 2 | 0 | 76 | 80 | 34,125 | 2.54 | 1,948 | 0.00 | 0 | 1,948 | 81 | 7,509 | 520 | 28 | 0 | 426.57 | - | - | - | - | - | - | - | 87 | 14 | - | |
| Found./Crawl. Insul. | 18 | 18 | 13 | 3 | 1 | 0 | 17 | 18 | 35,344 | 1.84 | 1,411 | 1.54 | 3,136 | 4,547 | 38 | 3,519 | 639 | 40 | 0 | 1963.56 | 0.108 | 83 | 0.086 | 174 | 253 | 2,926 | 271 | 213 | 40 | - | |
| Bandjoist Insul. | 33 | 33 | 29 | 2 | 1 | 0 | - | 33 | 6,519 | 0.00 | 0 | 0.30 | 616 | 616 | 6 | 524 | 29 | 10 | 0 | 197.53 | - | - | 0.009 | 19 | 19 | 0.194 | 18 | 14 | 10 | - | |
| Hi-Eff Htg Sys Repl | 28 | 0 | 26 | 2 | 0 | 0 | - | 28 | 130,350 | 0.00 | 0 | 0.00 | 0 | 0 | 128 | 11,888 | 776 | 0 | 0 | 4655.37 | - | - | 0.000 | 0 | - | 4,909 | 457 | 388 | - | - | |
| Std-Eff Htg Sys Repl | 3 | 0 | 3 | 0 | 0 | 0 | - | 3 | 11,794 | 0.00 | 0 | 0.00 | 0 | 0 | 22 | 2,037 | 0 | 0 | 0 | 3931.23 | - | - | 0.000 | 0 | - | 7,282 | 679 | - | - | - | - |
| Other Htg Sys Repl | 5 | 0 | 3 | 2 | 0 | 0 | - | 5 | 22,442 | 0.00 | 0 | 0.00 | 0 | 0 | 13 | 1,167 | 518 | 0 | 0 | 4488.49 | - | - | 0.000 | 0 | - | 4,210 | 389 | 259 | - | - | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | |
| Water Heating | 75 | 12 | 62 | 1 | 0 | 0 | 50 | 8 | 42 | 0 | 0 | 0 | 2,515 | 0.9 | 1.3 | 9,292 | 11.2 | 3,683 | 11 | 0 | 0 | 33.53 | 0.071 | 0.105 | 774 | 0.181 | 59 | 11 | - | - | |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | |
| WH Wrap | 50 | 10 | 40 | 0 | 0 | 0 | | 1,467 | 0.49 | 0.58 | | | 4,811 | 3.5 | 1,225 | 0 | 0 | 0 | 0 | 29.34 | 0.049 | 0.058 | 481 | 0.088 | 31 | - | - | - | - | - | |
| Pipe Insul. | 72 | 12 | 59 | 1 | 0 | 0 | | 769 | 0.24 | 0.28 | | | 2,360 | 2.5 | 859 | 11 | 0 | 0 | 0 | 10.67 | 0.020 | 0.024 | 197 | 0.042 | 15 | 11 | - | - | - | - | |
| LF Showerhead | 23 | 4 | 19 | 0 | 0 | 0 | 46 | 8 | 38 | 0 | 0 | 0 | 270 | 0.13 | 0.40 | 2,121 | 5.1 | 1,568 | 0 | 0 | 0 | 11.73 | 0.031 | 0.099 | 530 | 0.268 | 83 | - | - | - | |
| Faucet Aerator | 2 | 0 | 2 | 0 | 0 | 0 | 4 | 0 | 4 | 0 | 0 | 0 | 10 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 4.80 | - | - | - | - | 0.051 | 16 | - | - | - | - | |
| Lighting | 68 | 68 | | | | | 1,897 | 1,897 | | | | | 5,295 | 1.0 | 1.6 | 11,819 | | | | 77.87 | 0.015 | 0.023 | 174 | - | - | - | - | - | - | - | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Capsylite (52W) | 43 | 43 | | | | | 86 | 86 | | | | | 1,109 | 0.16 | 0.25 | 1,906 | | | | 25.79 | 0.004 | 0.006 | 44 | | | | | | | | |
| Capsylite (72W) | 43 | 43 | | | | | 86 | 86 | | | | | 1,117 | 0.28 | 0.43 | 3,309 | | | | 25.97 | 0.007 | 0.010 | 77 | | | | | | | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (15W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (20W) | 20 | 20 | | | | | 40 | 40 | | | | | 1,256 | 0.19 | 0.29 | 2,199 | | | | 62.79 | 0.009 | 0.014 | 110 | | | | | | | | |
| CFL (23W) | 6 | 6 | | | | | 12 | 12 | | | | | 618 | 0.07 | 0.11 | 804 | | | | 103.05 | 0.011 | 0.018 | 134 | | | | | | | | |
| CFL (25W) | 8 | 8 | | | | | 16 | 16 | | | | | 475 | 0.10 | 0.16 | 1,201 | | | | 59.40 | 0.013 | 0.020 | 150 | | | | | | | | |
| CFL Circline (30W) | 10 | 10 | | | | | 20 | 20 | | | | | 720 | 0.20 | 0.33 | 2,401 | | | | 72.01 | 0.020 | 0.033 | 240 | | | | | | | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Waterbed Mattress Pad | 1 | 1 | 1 | 0 | 0 | 0 | 4 | 2 | 2 | 0 | 0 | 0 | 68 | 0.00 | 0.58 | 1,533 | -0.5 | -76 | 0.0 | 0.0 | 0.0 | 68.00 | 0.000 | 0.581 | 1,533 | -0.463 | -76 | - | - | - | - |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Unknown | 1 | 1 | 1 | 0 | 0 | 0 | 4 | 2 | 2 | 0 | 0 | 0 | 68 | 0.00 | 0.58 | 1,533 | -0.5 | -76 | 0.0 | 0.0 | 0.0 | 68.00 | 0.000 | 0.581 | 1,533 | -0.463 | -76 | - | - | - | - |
| Refrigerator/Freezer | 14 | 14 | | | | | 28 | 28 | | | | | 14,480 | 4.68 | 4.90 | 37,156 | | | | 1034.29 | 0.334 | 0.350 | 2,654 | | | | | | | | |
| Refrigerator Removal | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Refrigerator Exchange | 14 | 14 | | | | | 28 | 28 | | | | | 14,480 | 4.68 | 4.90 | 37,156 | | | | 1034.29 | 0.334 | 0.350 | 2,654 | | | | | | | | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Freezer Exchange | 0 | 0 | | | | | 0 | 0 | | | | | 0 | 0.00 | 0.00 | 0 | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Costs for Measures Without Energy Impacts Installed in 86 Total Households with Spending and/or Energy Impacts: | | | | | | | | | | 231,703 | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | 231,703 | | | | | | | | | | | | | | | | | | | | |
| Unspecified Insul. | 44 | | | | | | | | | | | 10,200 | | | | | | | | | | 231.82 | | | | | | | | | |
| Duct Insulation | 0 | | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | |
| Duct Sealing | 2 | | | | | | | | | | | 285 | | | | | | | | | | 142.40 | | | | | | | | | |
| Damming Material | 49 | | | | | | | | | | | 3,695 | | | | | | | | | | 75.42 | | | | | | | | | |
| Htg. Sys. Tune & Clean | 46 | | | | | | | | | | | 7,950 | | | | | | | | | | 172.83 | | | | | | | | | |
| Htg. Sys./WH Other | 27 | | | | | | | | | | | 8,276 | | | | | | | | | | 306.50 | | | | | | | | | |
| Space Heater Repl. | 1 | | | | | | | | | | | 3,224 | | | | | | | | | | 3223.50 | | | | | | | | | |
| Air Conditioning Work | 0 | | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | |
| Water Heater Repl. | 3 | | | | | | | | | | | 2,243 | | | | | | | | | | 747.67 | | | | | | | | | |
| Water Heater Repair | 0 | | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | |
| Refrigerator Coil Clean | 0 | | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | |
| Unspecified Utility Meas | 0 | | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | |
| Asbestos Abatement | 0 | | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | |
| CO Detector | 18 | | | | | | | | | | | 623 | | | | | | | | | | 34.59 | | | | | | | | | |
| Smoke Detector | 0 | | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | |
| Fuses | 0 | | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | |
| Htg Sys Safety Check | 1 | | | | | | | | | | | 120 | | | | | | | | | | 120.00 | | | | | | | | | |
| Exhaust Ventilation | 56 | | | | | | | | | | | 25,155 | | | | | | | | | | 449.19 | | | | | | | | | |
| Health/Safety Repairs | 0 | | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | |
| Health/Safety Other | 8 | | | | | | | | | | | 1,588 | | | | | | | | | | 198.50 | | | | | | | | | |
| Consumables | 0 | | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | |
| Preservation | 0 | | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | |
| Roof Repairs | 0 | | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | |
| General Repairs | 59 | | | | | | | | | | | 24,145 | | | | | | | | | | 409.24 | | | | | | | | | |
| Evaluator Labor | 79 | | | | | | | | | | | 9,253 | | | | | | | | | | 117.12 | | | | | | | | | |
| Inspector Labor | 84 | | | | | | | | | | | 7,866 | | | | | | | | | | 93.64 | | | | | | | | | |
| Eval/Insp Labor | 0 | | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | |
| Meter Refrig (no action) | 0 | | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | |
| Meter Freezer (no action) | 0 | | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | |
| Support | 86 | | | | | | | | | | | 127,062 | | | | | | | | | | 1477.70 | | | | | | | | | |
| Landlord | 0 | | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | |
| Landlord | 0 | | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | |
| Warehouse | 0 | | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | |
| Unspecified | 0 | | | | | | | | | | | 0 | | | | | | | | | | 0.00 | | | | | | | | | |

Polk County
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | Estimated First-Year Savings | | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | |
|---|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|-------------|------------------------------|-----------|------------|-----------|---------------|---------------|-----------------|---|------------------|------------------------------------|-------------|-----------|------------|---------------|---------------|-----------------|------------------|-----------------|------------------|------------|---|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Electricity | | | Annual kWh | Gas | | | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Electricity | | | Annual kWh | Gas | | | Propane gallons | Fuel Oil gallons | Other Mbtu | |
| | | | | | | | | | | Summer kW | kWh | Winter kW | | kWh | Pk-Day therms | Annual therms | | | | | Summer kW | kWh | Winter kW | | kWh | Pk-Day therms | Annual therms | | | | |
| OVERALL | 93 | 93 | 88 | 5 | 0 | 0 | | | 475,856 | 48.1 | | 26.9 | | 180,851 | 470 | 45,384 | 2,567 | 0 | 0 | 5116.73 | 0.285 | | 0.159 | | 1,945 | 5,344 | 516 | 513 | - | - | |
| Shell & Htg. Sys. | 91 | 90 | 85 | 5 | 0 | 0 | 89 | 90 | 444,879 | 31.0 | 23,645 | 7.3 | 14,628 | 38,273 | 459 | 41,839 | 2,522 | 0 | 0 | 4888.78 | 0.349 | 266 | 0.081 | 163 | 425 | 5,402 | 492 | 504 | - | - | |
| Wall Insul. | 59 | 59 | 57 | 2 | 0 | 0 | 59 | 59 | 132,055 | 8.16 | 6,209 | 4.58 | 9,251 | 15,460 | 186 | 16,945 | 652 | 0 | 0 | 2238.22 | 0.138 | 105 | 0.078 | 157 | 262 | 3,261 | 297 | 326 | - | - | |
| Ceiling Insul. | 78 | 78 | 74 | 4 | 0 | 0 | 77 | 78 | 78,346 | 18.41 | 14,027 | 1.80 | 3,643 | 17,670 | 70 | 6,365 | 551 | 0 | 0 | 1004.44 | 0.239 | 182 | 0.023 | 47 | 227 | 0,942 | 86 | 138 | - | - | |
| Infil. Reduction | 90 | 89 | 82 | 5 | 0 | 0 | 89 | 87 | 39,404 | 4.34 | 3,303 | 0.00 | 0 | 3,303 | 72 | 6,507 | 379 | 0 | 0 | 437.82 | - | - | - | - | - | - | - | 76 | - | - | |
| Found./Crawl. Insul. | 28 | 28 | 26 | 2 | 0 | 0 | 28 | 28 | 17,220 | 0.14 | 105 | 0.65 | 1,301 | 1,406 | 23 | 2,117 | 324 | 0 | 0 | 615.00 | 0.005 | 4 | 0.023 | 46 | 50 | 0,900 | 81 | 162 | - | - | |
| Bandjoist Insul. | 50 | 50 | 47 | 3 | 0 | 0 | - | 50 | 6,530 | 0.00 | 0 | 0.22 | 434 | 434 | 8 | 703 | 59 | 0 | 0 | 130.60 | - | - | 0.004 | 9 | 9 | 0.164 | 15 | 20 | - | - | |
| Hi-Eff Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Std-Eff Htg Sys Repl | 46 | 0 | 44 | 2 | 0 | 0 | - | 46 | 161,364 | 0.00 | 0 | 0.00 | 0 | 0 | 96 | 8,729 | 557 | 0 | 0 | 3507.91 | - | - | 0.000 | 0 | - | 2,176 | 198 | 279 | - | - | |
| Other Htg Sys Repl | 2 | 0 | 2 | 0 | 0 | 0 | - | 2 | 9,960 | 0.00 | 0 | 0.00 | 0 | 0 | 5 | 474 | 0 | 0 | 0 | 4980.00 | - | - | 0.000 | 0 | - | 2,574 | 237 | - | - | - | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | |
| Water Heating | 90 | 4 | 84 | 2 | 0 | 0 | 534 | 16 | 510 | 8 | 0 | 0 | 0 | 3,437 | 0.3 | 0.8 | 4,207 | 11.2 | 3,545 | 45 | 0 | 0 | 0 | 38.19 | 0.067 | 0.191 | 1,052 | 0.133 | 42 | 23 | - |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | |
| WH Wrap | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | |
| Pipe Insul. | 88 | 3 | 83 | 2 | 0 | 0 | 1,761 | 0 | 0 | 0 | 0 | 0 | 590 | 2.7 | 945 | 30 | 0 | 0 | 0 | 20.01 | 0.020 | 0.024 | 197 | 0.033 | 11 | 15 | - | - | - | - | |
| LF Showerhead | 36 | 2 | 34 | 0 | 0 | 0 | 88 | 4 | 84 | 0 | 0 | 0 | 616 | 0.18 | 0.60 | 3,116 | 6.7 | 2,048 | 0 | 0 | 17.11 | 0.089 | 0.298 | 1,558 | 0.196 | 60 | - | - | - | - | |
| Faucet Aerator | 77 | 3 | 72 | 2 | 0 | 0 | 446 | 12 | 426 | 8 | 0 | 0 | 1,060 | 0.03 | 0.10 | 501 | 1.8 | 552 | 15 | 0 | 13.77 | 0.010 | 0.032 | 167 | 0.025 | 8 | 8 | - | - | - | |
| Lighting | 76 | 76 | | | | | 1,897 | 1,897 | | 4,200 | 1.7 | 3.3 | | 19,678 | | | | | | | 55.26 | 0.023 | 0.043 | 259 | - | - | - | - | - | - | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Capsylite (52W) | 74 | 74 | | | | | 888 | 888 | | 4,200 | 1.75 | 3.26 | | 19,678 | | | | | | | 56.76 | 0.024 | 0.044 | 266 | | | | | | | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (15W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (20W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (23W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL (25W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL Circline (30W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Waterbed Mattress Pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | |
| Refrigerator/Freezer | 35 | 35 | | | | | 76 | 76 | | 23,340 | 15.09 | 15.67 | | 118,693 | | | | | | | 666.86 | 0.431 | 0.448 | 3,391 | - | - | - | - | - | - | |
| Refrigerator Remova | 13 | 13 | | | | | 30 | 30 | | 1,400 | 7.59 | 7.88 | | 59,699 | | | | | | | 107.69 | 0.584 | 0.606 | 4,592 | - | - | - | - | - | - | |
| Refrigerator Exchange | 13 | 13 | | | | | 26 | 26 | | 17,126 | 4.37 | 4.55 | | 34,502 | | | | | | | 1317.38 | 0.336 | 0.350 | 2,654 | - | - | - | - | - | - | |
| Freezer Removal | 5 | 5 | | | | | 12 | 12 | | 400 | 2.13 | 2.20 | | 16,668 | | | | | | | 80.00 | 0.426 | 0.440 | 3,334 | - | - | - | - | - | - | |
| Freezer Exchange | 4 | 4 | | | | | 8 | 8 | | 4,414 | 1.01 | 1.03 | | 7,824 | | | | | | | 1103.50 | 0.252 | 0.258 | 1,956 | - | - | - | - | - | - | |
| Costs for Measures Without Energy Impacts Installed in 93 Total Households with Spending and/or Energy Impacts: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | 284,244 | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified Insul. | | | | | | | | | 14,448 | | | | | | | | | | | | | | | | | | | | | | |
| Duct Insulation | | | | | | | | | 140 | | | | | | | | | | | | | | | | | | | | | | |
| Duct Sealing | | | | | | | | | 1,138 | | | | | | | | | | | | | | | | | | | | | | |
| Dammng Material | | | | | | | | | 7,590 | | | | | | | | | | | | | | | | | | | | | | |
| Htg. Sys. Tune & Clean | | | | | | | | | 9,596 | | | | | | | | | | | | | | | | | | | | | | |
| Htg. Sys./WH/Other | | | | | | | | | 6,550 | | | | | | | | | | | | | | | | | | | | | | |
| Space Heater Repl. | | | | | | | | | 3,280 | | | | | | | | | | | | | | | | | | | | | | |
| Air Conditioning Work | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| Water Heater Repl. | | | | | | | | | 18,320 | | | | | | | | | | | | | | | | | | | | | | |
| Water Heater Repair | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| Refrigerator Coil Clean | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified Utility Meas | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| Asbestos Abatement | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| CO Detector | | | | | | | | | 2,007 | | | | | | | | | | | | | | | | | | | | | | |
| Smoke Detector | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| Fuses | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| Htg Sys Safety Check | | | | | | | | | 3,700 | | | | | | | | | | | | | | | | | | | | | | |
| Exhaust Ventilation | | | | | | | | | 24,996 | | | | | | | | | | | | | | | | | | | | | | |
| Health/Safety Repairs | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Health/Safety Other | | | | | | | | | 708 | | | | | | | | | | | | | | | | | | | | | | |
| Consumables | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| Preservation | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| Roof Repairs | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| General Repairs | | | | | | | | | 78 | | | | | | | | | | | | | | | | | | | | | | |
| Evaluator Labor | | | | | | | | | 55,016 | | | | | | | | | | | | | | | | | | | | | | |
| Inspector Labor | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| Eval/Insp Labor | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| Meter Refrig (no action) | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| Meter Freezer (no action) | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| Support | | | | | | | | | 93 | | | | | | | | | | | | | | | | | | | | | | |
| Landlord | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Landlord | | | | | | | | | (959) | | | | | | | | | | | | | | | | | | | | | | |
| Warehouse | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |

6. DETAILED SPENDING AND IMPACT PROFILES BY AGENCY FOR UTILITY EXPENDITURES

This section provides tables of spending and impacts by agency for utility expenditures in 2001.

Note that the same considerations for reporting at the agency level hold for this set of tables as for the ones in the previous section (see the discussion at the beginning of the previous section.) See notes regarding waterbed mattress pad and water heater measure savings on page 31.

Community Opportunity
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | Gas | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | |
|---|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|---------|----------|-------------|------------------------------|------------|---------------|---------------|---------------|-----------------|------------------|---------------|------------------------------------|-----------------|------------------|---------------|---|------------|---------------|-----------|---|-----------------|------------------|---------------|-----------------|------------------|------------|--|--|--|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Summer | | Electricity | | Annual kWh | Pk-Day therms | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Summer | | Electricity | | Annual kWh | Pk-Day therms | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | | |
| | | | | | | | | | | kW | kWh | kW | kWh | | | Annual therms | Annual therms | | | | | kW | kWh | Annual therms | Annual therms | | | | | | | | | | | | | |
| OVERALL | 47 | 47 | 38 | 0 | 0 | 0 | | | 61,770 | 7.0 | | 5.1 | | 18,094 | 69 | 6,632 | | 0 | 0 | 0 | 1314.26 | 0.110 | | 0.068 | | 385 | 1,829 | 175 | - | - | - | | | | | | | |
| Shell & Htg. Sys. | 46 | 46 | 38 | 0 | 0 | 0 | 29 | 40 | 61,264 | 6.7 | 5,024 | 4.3 | 8,964 | 13,988 | 69 | 6,436 | | 0 | 0 | 0 | 1314.26 | 0.230 | 173 | 0.109 | 224 | 304 | 1,814 | 169 | - | - | - | | | | | | | |
| Wall Insul. | 36 | 36 | 28 | 0 | 0 | 0 | 23 | 30 | 36,302 | 3.04 | 2,292 | 2.38 | 4,862 | 7,153 | 47 | 4,409 | | 0 | 0 | 0 | 1008.39 | 0.132 | 100 | 0.079 | 162 | 199 | 1,689 | 157 | - | - | - | | | | | | | |
| Ceiling Insul. | 39 | 39 | 31 | 0 | 0 | 0 | 21 | 33 | 20,463 | 3.55 | 2,681 | 1.89 | 3,937 | 6,618 | 15 | 1,438 | | 0 | 0 | 0 | 524.69 | 0.169 | 128 | 0.057 | 119 | 170 | 0,497 | 46 | - | - | - | | | | | | | |
| Infil. Reduction | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Found./Crawl. Insul. | 6 | 6 | 6 | 0 | 0 | 0 | 4 | 6 | 1,557 | 0.07 | 51 | 0.06 | 129 | 180 | 4 | 336 | | 0 | 0 | 0 | 259.57 | 0.017 | 13 | 0.010 | 21 | 30 | 0,596 | 56 | - | - | - | | | | | | | |
| Bandjoist Insul. | 11 | 11 | 11 | 0 | 0 | 0 | - | 11 | 905 | 0.00 | 0 | 0.02 | 37 | 37 | 1 | 84 | | 0 | 0 | 0 | 82.28 | - | - | 0.002 | 3 | 3 | 0,081 | 8 | - | - | - | | | | | | | |
| Hi-Eff Htg Sys Repl | 1 | 0 | 1 | 0 | 0 | 0 | - | 1 | 2,037 | 0.00 | 0 | 0.00 | 0 | 0 | 2 | 168 | | 0 | 0 | 0 | 2037.00 | - | - | 0.000 | 0 | - | 1,762 | 168 | - | - | - | | | | | | | |
| Std-Eff Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | |
| Water Heating | 33 | 5 | 28 | 0 | 0 | 0 | 0 | 0 | 99 | 0.1 | 0.1 | | 492 | 0.6 | 196 | 0 | 0 | 0 | 3.00 | 0.010 | | 0.012 | | 98 | 0.020 | 7 | - | - | - | - | - | - | | | | | | |
| Temp. Reduct. | 1 | 0 | 1 | 0 | 0 | 0 | | | 0 | 0.00 | 0.00 | | 0 | 0.1 | 33 | 0 | 0 | 0 | 0.00 | - | - | - | - | 0.094 | 33 | - | - | - | - | - | - | - | | | | | | |
| WH Wrap | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Pipe Insul. | 33 | 5 | 28 | 0 | 0 | 0 | 0 | 0 | 99 | 0.05 | 0.06 | | 492 | 0.5 | 164 | 0 | 0 | 0 | 3.00 | 0.010 | | 0.012 | | 98 | 0.017 | 6 | - | - | - | - | - | - | | | | | | |
| LF Showerhead | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Faucet Aerator | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Lighting | 30 | 30 | | | | | 1,897 | 1,897 | 407 | 0.3 | 0.7 | | 3,615 | | | | | | 13.57 | 0.011 | | 0.023 | | 120 | - | - | - | - | - | - | - | - | | | | | | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (15W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (20W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL (23W) | 2 | 2 | | | | | 2 | 2 | 30 | 0.01 | 0.03 | | 134 | | | | | | 15.00 | 0.006 | | 0.013 | | 67 | | | | | | | | | | | | | | |
| CFL (25W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| CFL Circline (30W) | 28 | 28 | | | | | 29 | 29 | 377 | 0.32 | 0.66 | | 3,481 | | | | | | 13.46 | 0.011 | | 0.023 | | 124 | | | | | | | | | | | | | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Waterbed Mattress Pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Refrigerator/Freezer | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Refrigerator Removal | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Refrigerator Exchange | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Freezer Exchange | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Costs for Measures Without Energy Impacts Installed in 47 Total Households with Spending and/or Energy Impacts: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12,712 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified Insul. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct Insulation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct Sealing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dammng Material | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Htg. Sys. Tune & Clean | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Htg. Sys./WH Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Space Heater Repl. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Air Conditioning Work | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,037 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2037.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water Heater Repl. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water Heater Repair | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Refrigerator Coil Clean | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified Utility Meas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Asbestos Abatement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CO Detector | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Smoke Detector | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fuses | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Htg Sys Safety Check | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Exhaust Ventilation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Health/Safety Repairs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Health/Safety Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Consumables | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preservation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Roof Repairs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| General Repairs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Evaluator Labor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Inspector Labor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Eval/Insp Labor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meter Refrig (no action) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meter Freezer (no action) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Support | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 260.36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Landlord | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Landlord | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Warehouse | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Costs for Measures Without Energy Impacts Installed in 179 Total Households with Spending and/or Energy Impacts: | | | |
|--|-----|--------|--------|
| Total | | 31,652 | |
| Unspecified Insul. | 1 | 72 | 72.32 |
| Duct Insulation | 0 | 0 | 0.00 |
| Duct Sealing | 0 | 0 | 0.00 |
| Damming Material | 0 | 0 | 0.00 |
| Htg. Sys. Tune & Clean | 0 | 0 | 0.00 |
| Htg. Sys./WH Other | 0 | 0 | 0.00 |
| Space Heater Repl. | 0 | 0 | 0.00 |
| Air Conditioning Work | 0 | 0 | 0.00 |
| Water Heater Repl. | 1 | 686 | 686.00 |
| Water Heater Repair | 0 | 0 | 0.00 |
| Refrigerator Coil Clean | 0 | 0 | 0.00 |
| Unspecified Utility Meas | 0 | 0 | 0.00 |
| Asbestos Abatement | 0 | 0 | 0.00 |
| CO Detector | 0 | 0 | 0.00 |
| Smoke Detector | 0 | 0 | 0.00 |
| Fuses | 0 | 0 | 0.00 |
| Htg Sys Safety Check | 0 | 0 | 0.00 |
| Exhaust Ventilation | 0 | 0 | 0.00 |
| Health/Safety Repairs | 0 | 0 | 0.00 |
| Health/Safety Other | 0 | 0 | 0.00 |
| Consumables | 0 | 0 | 0.00 |
| Preservation | 0 | 0 | 0.00 |
| Roof Repairs | 0 | 0 | 0.00 |
| General Repairs | 0 | 0 | 0.00 |
| Evaluator Labor | 0 | 0 | 0.00 |
| Inspector Labor | 0 | 0 | 0.00 |
| Eval/Insp Labor | 0 | 0 | 0.00 |
| Meter Refrig (no action) | 0 | 0 | 0.00 |
| Meter Freezer (no action) | 0 | 0 | 0.00 |
| Support | 178 | 30,893 | 173.56 |
| Landlord | 0 | 0 | 0.00 |
| Landlord | 0 | 0 | 0.00 |
| Warehouse | 0 | 0 | 0.00 |
| Unspecified | 0 | 0 | 0.00 |

215,916

215,916

Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Costs for Measures Without Energy Impacts Installed in 141 Total Households with Spending and/or Energy Impacts: | | |
|--|---|-------|
| Total | | 2,815 |
| Unspecified Insul. | 1 | 61 |
| Duct Insulation | 2 | 75 |
| Duct Sealing | 0 | 0 |
| Damming Material | 0 | 0 |
| Htg. Sys. Tune & Clean | 0 | 0 |
| Htg. Sys./WH Other | 0 | 0 |
| Space Heater Repl. | 0 | 0 |
| Air Conditioning Work | 0 | 0 |
| Water Heater Repl. | 0 | 0 |
| Water Heater Repair | 0 | 0 |
| Refrigerator Coil Clean | 0 | 0 |
| Unspecified Utility Meas | 0 | 0 |
| Asbestos Abatement | 0 | 0 |
| CO Detector | 0 | 0 |
| Smoke Detector | 0 | 0 |
| Fuses | 0 | 0 |
| Htg Sys Safety Check | 0 | 0 |
| Exhaust Ventilation | 0 | 0 |
| Health/Safety Repairs | 0 | 0 |
| Health/Safety Other | 0 | 0 |
| Consumables | 0 | 0 |
| Preservation | 0 | 0 |
| Roof Repairs | 0 | 0 |
| General Repairs | 0 | 0 |
| Evaluator Labor | 0 | 0 |
| Inspector Labor | 0 | 0 |
| Eval/Insp Labor | 0 | 0 |
| Meter Refrig (no action) | 0 | 0 |
| Meter Freezer (no action) | 0 | 0 |
| Support | 5 | 2,679 |
| Landlord | 0 | 0 |
| Landlord | 0 | 0 |
| Warehouse | 0 | 0 |
| Unspecified | 0 | 0 |

236,139

236,139

Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Costs for Measures Without Energy Impacts Installed in 32 Total Households with Spending and/or Energy Impacts: | | | |
|---|----|-------|--------|
| Total | | | 5,675 |
| Unspecified Insul. | 0 | 0 | 0.00 |
| Duct Insulation | 0 | 0 | 0.00 |
| Duct Sealing | 0 | 0 | 0.00 |
| Damming Material | 0 | 0 | 0.00 |
| Htg. Sys. Tune & Clean | 0 | 0 | 0.00 |
| Htg. Sys./WH Other | 0 | 0 | 0.00 |
| Space Heater Repl. | 0 | 0 | 0.00 |
| Air Conditioning Work | 0 | 0 | 0.00 |
| Water Heater Repl. | 0 | 0 | 0.00 |
| Water Heater Repair | 0 | 0 | 0.00 |
| Refrigerator Coil Clean | 0 | 0 | 0.00 |
| Unspecified Utility Meas | 0 | 0 | 0.00 |
| Asbestos Abatement | 0 | 0 | 0.00 |
| CO Detector | 0 | 0 | 0.00 |
| Smoke Detector | 0 | 0 | 0.00 |
| Fuses | 0 | 0 | 0.00 |
| Htg Sys Safety Check | 0 | 0 | 0.00 |
| Exhaust Ventilation | 0 | 0 | 0.00 |
| Health/Safety Repairs | 0 | 0 | 0.00 |
| Health/Safety Other | 0 | 0 | 0.00 |
| Consumables | 0 | 0 | 0.00 |
| Preservation | 0 | 0 | 0.00 |
| Roof Repairs | 0 | 0 | 0.00 |
| General Repairs | 0 | 0 | 0.00 |
| Evaluator Labor | 0 | 0 | 0.00 |
| Inspector Labor | 0 | 0 | 0.00 |
| Eval/Insp Labor | 0 | 0 | 0.00 |
| Meter Refrig (no action) | 0 | 0 | 0.00 |
| Meter Freezer (no action) | 0 | 0 | 0.00 |
| Support | 32 | 5,675 | 177.34 |
| Landlord | 0 | 0 | 0.00 |
| Landlord | 0 | 0 | 0.00 |
| Warehouse | 0 | 0 | 0.00 |
| Unspecified | 0 | 0 | 0.00 |

| | |
|-------------------------------------|---------------|
| Grand Total of Expenditures: | 41,088 |
|-------------------------------------|---------------|

Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Costs for Measures Without Energy Impacts Installed in 58 Total Households with Spending and/or Energy Impacts: | | | |
|---|----|--------|--------|
| Total | | | 14,369 |
| Unspecified Insul. | 0 | 0 | 0.00 |
| Duct Insulation | 0 | 0 | 0.00 |
| Duct Sealing | 0 | 0 | 0.00 |
| Damming Material | 0 | 0 | 0.00 |
| Htg. Sys. Tune & Clean | 0 | 0 | 0.00 |
| Htg. Sys./WH Other | 0 | 0 | 0.00 |
| Space Heater Repl. | 0 | 0 | 0.00 |
| Air Conditioning Work | 0 | 0 | 0.00 |
| Water Heater Repl. | 2 | 659 | 329.30 |
| Water Heater Repair | 0 | 0 | 0.00 |
| Refrigerator Coil Clean | 0 | 0 | 0.00 |
| Unspecified Utility Meas | 0 | 0 | 0.00 |
| Asbestos Abatement | 0 | 0 | 0.00 |
| CO Detector | 0 | 0 | 0.00 |
| Smoke Detector | 0 | 0 | 0.00 |
| Fuses | 0 | 0 | 0.00 |
| Htg Sys Safety Check | 0 | 0 | 0.00 |
| Exhaust Ventilation | 0 | 0 | 0.00 |
| Health/Safety Repairs | 0 | 0 | 0.00 |
| Health/Safety Other | 0 | 0 | 0.00 |
| Consumables | 0 | 0 | 0.00 |
| Preservation | 0 | 0 | 0.00 |
| Roof Repairs | 0 | 0 | 0.00 |
| General Repairs | 1 | 3 | 3.21 |
| Evaluator Labor | 0 | 0 | 0.00 |
| Inspector Labor | 0 | 0 | 0.00 |
| Eval/Insp Labor | 0 | 0 | 0.00 |
| Meter Refrig (no action) | 0 | 0 | 0.00 |
| Meter Freezer (no action) | 0 | 0 | 0.00 |
| Support | 54 | 13,707 | 253.83 |
| Landlord | 0 | 0 | 0.00 |
| Landlord | 0 | 0 | 0.00 |
| Warehouse | 0 | 0 | 0.00 |
| Unspecified | 0 | 0 | 0.00 |

107,897

107,897

Mid-Sioux
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|-------------|----------|-----------|------------------------------|------------|---------------|---------------|-----------------|------------------|---|------------|------|------------------------------------|-------------|------------|---------------|---------------|-----------------|------------------|------------------|------------|---|---|--|--|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Electricity | | | | | | Gas | | | | | | Spending on Materials & Labor (\$) | Electricity | | | | | | Gas | | | | | |
| | | | | | | | | | | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | Summer kW | kWh | | Winter kW | kWh | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | |
| OVERALL | 29 | 28 | 26 | 0 | 0 | 0 | | | 39,545 | 2.8 | | 0.9 | | 4,081 | 40 | 3,885 | 0 | 0 | 0 | | | 1363.61 | 0.190 | | 0.034 | | 146 | 1,524 | 149 | - | - | - | | |
| Shell & Htg. Sys. | 29 | 28 | 26 | 0 | 0 | 0 | 15 | 26 | 39,545 | 2.8 | 2,186 | 0.9 | 1,895 | 4,081 | 40 | 3,885 | 0 | 0 | 0 | | | 1363.61 | 0.190 | 146 | 0.034 | 73 | 146 | 1,524 | 149 | - | - | - | | |
| Wall Insul. | 21 | 21 | 18 | 0 | 0 | 0 | 11 | 18 | 19,872 | 0.52 | 398 | 0.62 | 1,337 | 1,735 | 26 | 2,578 | 0 | 0 | 0 | | | 946.30 | 0.047 | 36 | 0.034 | 74 | 83 | 1,461 | 143 | - | - | - | | |
| Ceiling Insul. | 24 | 24 | 21 | 0 | 0 | 0 | 12 | 21 | 11,723 | 2.33 | 1,788 | 0.18 | 397 | 2,185 | 7 | 723 | 0 | 0 | 0 | | | 488.44 | 0.194 | 149 | 0.009 | 19 | 91 | 0.352 | 34 | - | - | - | | |
| Infil. Reduction | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Found./Crawl. Insul. | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 1,659 | 0.00 | 0 | 0.07 | 145 | 145 | 2 | 243 | 0 | 0 | 0 | | | 829.44 | - | - | 0.033 | 72 | 72 | 1,244 | 122 | - | - | - | | |
| Bandjoist Insul. | 4 | 4 | 4 | 0 | 0 | 0 | - | 4 | 242 | 0.00 | 0 | 0.01 | 16 | 16 | 0 | 27 | 0 | 0 | 0 | | | 60.39 | - | - | 0.002 | 4 | 4 | 0.068 | 7 | - | - | - | | |
| Hi-Eff Htg Sys Repl | 3 | 0 | 3 | 0 | 0 | 0 | - | 3 | 6,049 | 0.00 | 0 | 0.00 | 0 | 0 | 3 | 314 | 0 | 0 | 0 | | | 2016.44 | - | - | 0.000 | 0 | - | 1.063 | 105 | - | - | - | | |
| Std-Eff Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | |
| Water Heating | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | |
| WH Wrap | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Pipe Insul. | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | |
| LF Showerhead | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Faucet Aerator | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Lighting | 0 | 0 | | | | | 1,897 | 1,897 | | 0 | 0.0 | 0.0 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| CFL (15W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| CFL (20W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| CFL (23W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| CFL (25W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| CFL Circline (30W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| Waterbed Mattress Pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| Refrigerator/Freezer | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| Refrigerator Removal | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| Refrigerator Exchange | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |
| Freezer Exchange | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | |

Costs for Measures Without Energy Impacts Installed in 29 Total Households with Spending and/or Energy Impacts:
Total7,291
Unspecified Insul.00.00
Duct Insulation00.00
Duct Sealing00.00
Dammng Material00.00
Htg. Sys. Tune & Clean00.00
Htg. Sys./Wrt Other00.00
Space Heater Repl.00.00
Air Conditioning Work00.00
Water Heater Repl.00.00
Water Heater Repair00.00
Refrigerator Coil Clean00.00
Unspecified Utility Meas00.00
Asbestos Abatement00.00
CO Detector00.00
Smoke Detector00.00
Fuses00.00
Htg Sys Safety Check00.00
Exhaust Ventilation00.00
Health/Safety Repairs00.00
Health/Safety Other00.00
Consumables00.00
Preservation00.00
Roof Repairs00.00
General Repairs00.00
Evaluator Labor00.00
Inspector Labor00.00
Eval/Insp Labor00.00
Meter Refrig (no action)00.00
Meter Freezer (no action)00.00
Support297,291251.42
Landlord00.00
Landlord00.00
Warehouse00.00
Unspecified00.00
Total Reported Materials, Labor, and Support Costs:46,836
Grand Total of Expenditures:46,836

City of Des Moines
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | | |
|-----------------------|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|---------|----------|-------------|------------------------------|------------|---------------|---------------|-----------------|------------------|------------------|------------------------------------|--------|-----------|---|------------|---------------|---------------|-----------------|------------------|------------------|------------|--|--|--|--|--|--|--|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Summer | | Electricity | | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Summer | | Electricity | | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | | | |
| | | | | | | | | | | kW | kWh | kW | kWh | | | | | | | | kW | kWh | kW | kWh | | | | | | | | | | | | | |
| OVERALL | 117 | 112 | 117 | 0 | 0 | 0 | | | 135,539 | 9.2 | | 4.2 | | 15,603 | 214 | 19,627 | 0 | 0 | 0 | 1158.45 | 0.087 | | 0.037 | | 139 | 1.828 | 168 | - | - | - | | | | | | | |
| Shell & Htg. Sys. | 112 | 112 | 112 | 0 | 0 | 0 | 104 | 112 | 133,826 | 9.2 | 7,046 | 4.2 | 8,360 | 15,406 | 213 | 19,209 | 0 | 0 | 0 | 1194.88 | 0.088 | 68 | 0.037 | 75 | 138 | 1,899 | 172 | - | - | - | | | | | | | |
| Wall Insul. | 81 | 81 | 81 | 0 | 0 | 0 | 70 | 81 | 71,086 | 4.24 | 3,254 | 2.70 | 5,409 | 8,663 | 131 | 11,848 | 0 | 0 | 0 | 877.60 | 0.061 | 46 | 0.033 | 67 | 107 | 1,620 | 146 | - | - | - | | | | | | | |
| Ceiling Insul. | 97 | 97 | 97 | 0 | 0 | 0 | 88 | 97 | 51,861 | 5.14 | 3,948 | 1.13 | 2,269 | 6,217 | 61 | 5,474 | 0 | 0 | 0 | 534.65 | 0.058 | 45 | 0.012 | 23 | 64 | 0,625 | 56 | - | - | - | | | | | | | |
| Infil. Reduction | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Found./Crawl. Insul. | 25 | 25 | 25 | 0 | 0 | 0 | 24 | 25 | 5,678 | -0.20 | (155) | 0.24 | 478 | 323 | 14 | 1,220 | 0 | 0 | 0 | 227.12 | -0.008 | (6) | 0.010 | 19 | 13 | 0,540 | 49 | - | - | - | | | | | | | |
| Bandjoist Insul. | 48 | 48 | 48 | 0 | 0 | 0 | - | 48 | 3,861 | 0.00 | 0 | 0.10 | 203 | 203 | 4 | 397 | 0 | 0 | 0 | 80.44 | - | - | 0.002 | 4 | 4 | 0,092 | 8 | - | - | - | | | | | | | |
| Hi-Eff Htg Sys Repl | 2 | 0 | 2 | 0 | 0 | 0 | - | 2 | 1,340 | 0.00 | 0 | 0.00 | 0 | 0 | 3 | 269 | 0 | 0 | 0 | 670.00 | - | - | 0.000 | 0 | - | 1,490 | 135 | - | - | - | | | | | | | |
| Std-Eff Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | | | | |
| Water Heating | 54 | 2 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 1,713 | 0.0 | 0.0 | | 197 | 1.2 | 418 | 0 | 0 | 0 | 31.72 | 0.010 | | 0.012 | | 98 | 0.023 | 8 | - | - | - | | | | | | | |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | | | | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| WH Wrap | 6 | 0 | 6 | 0 | 0 | 0 | | | | 290 | 0.00 | 0.00 | 0 | 0 | 0 | 83 | 0 | 0 | 0 | 48.33 | - | - | - | - | 0.040 | 14 | - | - | - | - | | | | | | | |
| Pipe Insul. | 53 | 2 | 51 | 0 | 0 | 0 | | | | 1,423 | 0.02 | 0.02 | 197 | 1.0 | 335 | 0 | 0 | 0 | 0 | 26.85 | 0.010 | | 0.012 | | 98 | 0.019 | 7 | - | - | - | | | | | | | |
| LF Showerhead | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Faucet Aerator | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Lighting | 0 | 0 | | | | | 1,897 | 1,897 | | 0 | 0.0 | 0.0 | | 0 | 0.0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| CFL (15W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| CFL (20W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| CFL (23W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| CFL (25W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| CFL Circline (30W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Waterbed Mattress Pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Refrigerator/Freezer | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Refrigerator Removal | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Refrigerator Exchange | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Freezer Exchange | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |

Costs for Measures Without Energy Impacts Installed in 117 Total Households with Spending and/or Energy Impacts:
Total26,945
Unspecified Insul.00.00
Duct Insulation00.00
Duct Sealing00.00
Dammng Material00.00
Htg. Sys. Tune & Clean00.00
Htg. Sys./WH Other00.00
Space Heater Repl.00.00
Air Conditioning Work00.00
Water Heater Repl.41,575393.75
Water Heater Repair00.00
Refrigerator Coil Clean00.00
Unspecified Utility Meas00.00
Asbestos Abatement00.00
CO Detector00.00
Smoke Detector00.00
Fuses00.00
Htg Sys Safety Check00.00
Exhaust Ventilation00.00
Health/Safety Repairs00.00
Health/Safety Other00.00
Consumables00.00
Preservation00.00
Roof Repairs00.00
General Repairs00.00
Evaluator Labor00.00
Inspector Labor00.00
Eval/Insp Labor00.00
Meter Refrig (no action)00.00
Meter Freezer (no action)00.00
Support10125,370251.19
Landlord00.00
Landlord00.00
Warehouse00.00
Unspecified00.00
Total Reported Materials, Labor, and Support Costs:162,484
Grand Total of Expenditures:162,484

North Iowa
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | | |
|-----------------------|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|---------|----------|-------------|------------------------------|------------|---------------|---------------|---------------|-----------------|------------------|------------|------------------------------------|-----------|---|-------------|---------------|---------------|-----------------|------------------|------------|-----------------|------------------|------------|--|--|--|--|--|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Summer | | Electricity | | Annual kWh | Pk-Day therms | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Summer | | Electricity | | Annual kWh | Pk-Day therms | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | |
| | | | | | | | | | | kW | kWh | kW | kWh | | | Annual therms | kW | | | | | kWh | kW | kWh | Annual therms | | | | | | | | | | | | |
| OVERALL | 86 | 86 | 74 | 0 | 0 | 0 | | | 79,715 | 5.0 | | 2.5 | | 11,109 | 123 | 12,157 | | 0 | 0 | 0 | 926.92 | 0.055 | | 0.027 | | 129 | 1.661 | 164 | - | - | - | | | | | | |
| Shell & Htg. Sys. | 86 | 86 | 74 | 0 | 0 | 0 | | 70 | 74 | 79,172 | 4.8 | 3,648 | 2.3 | 5,031 | 8,679 | 123 | 12,103 | 0 | 0 | 0 | 920.61 | 0.069 | 52 | 0.031 | 68 | 101 | 1,659 | 164 | - | - | - | | | | | | |
| Wall Insul. | 49 | 49 | 43 | 0 | 0 | 0 | | 39 | 43 | 26,536 | 3.02 | 2,272 | 1.21 | 2,657 | 4,930 | 60 | 5,960 | 0 | 0 | 0 | 541.55 | 0.077 | 58 | 0.028 | 62 | 101 | 1,403 | 139 | - | - | - | | | | | | |
| Ceiling Insul. | 81 | 81 | 69 | 0 | 0 | 0 | | 67 | 69 | 37,428 | 1.68 | 1,267 | 0.94 | 2,049 | 3,316 | 45 | 4,448 | 0 | 0 | 0 | 462.05 | 0.025 | 19 | 0.014 | 30 | 41 | 0,656 | 64 | - | - | - | | | | | | |
| Infil. Reduction | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Found./Crawl. Insul. | 13 | 13 | 12 | 0 | 0 | 0 | | 12 | 12 | 2,532 | 0.15 | 109 | 0.07 | 150 | 259 | 3 | 344 | 0 | 0 | 0 | 194.76 | 0.012 | 9 | 0.006 | 13 | 20 | 0,292 | 29 | - | - | - | | | | | | |
| Bandjoist Insul. | 37 | 37 | 37 | 0 | 0 | 0 | | - | 37 | 2,975 | 0.00 | 0 | 0.08 | 175 | 175 | 4 | 375 | 0 | 0 | 0 | 80.40 | - | - | 0.002 | 5 | 5 | 0.103 | 10 | - | - | - | | | | | | |
| Hi-Eff Htg Sys Repl | 6 | 0 | 6 | 0 | 0 | 0 | | - | 6 | 9,704 | 0.00 | 0 | 0.00 | 0 | 0 | 10 | 977 | 0 | 0 | 0 | 1617.32 | - | - | 0.000 | 0 | - | 1,647 | 163 | - | - | - | | | | | | |
| Std-Eff Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | | | | |
| Water Heating | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 56 | 0.0 | 0.0 | 0.0 | 0 | 0.2 | 54 | 0 | 0 | 0 | 0 | 18.74 | - | - | - | - | 0.051 | 18 | - | - | - | | | | | | | |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Wh Wrap | 3 | 0 | 3 | 0 | 0 | 0 | | | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.1 | 41 | 0 | 0 | 0 | 0 | 15.47 | - | - | - | - | 0.039 | 14 | - | - | - | | | | | | | |
| Pipe Insul. | 2 | 0 | 2 | 0 | 0 | 0 | | | 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 13 | 0 | 0 | 0 | 4.91 | - | - | - | - | 0.019 | 6 | - | - | - | | | | | | | | |
| LF Showerhead | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | | |
| Faucet Aerator | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | | |
| Lighting | 21 | 21 | | | | | 1,897 | 1,897 | 487 | 0.2 | 0.2 | | 2,430 | | | | | | | 23.17 | 0.010 | | 0.011 | | 116 | - | - | - | - | - | | | | | | | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | | |
| Capsylite (52W) | 13 | 13 | | | | | 61 | 61 | 230 | 0.11 | 0.15 | | 1,352 | | | | | | | 17.66 | 0.009 | | 0.012 | | 104 | | | | | | | | | | | | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | | |
| CFL (15W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | | |
| CFL (20W) | 3 | 3 | | | | | 5 | 5 | 79 | 0.02 | 0.02 | | 275 | | | | | | | 26.34 | 0.007 | | 0.005 | | 92 | | | | | | | | | | | | |
| CFL (23W) | 6 | 6 | | | | | 12 | 12 | 178 | 0.06 | 0.06 | | 804 | | | | | | | 29.68 | 0.011 | | 0.010 | | 134 | | | | | | | | | | | | |
| CFL (25W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | | |
| CFL Circline (30W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | | |
| Waterbed Mattress Pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | | | | | | |
| Refrigerator/Freezer | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Refrigerator Removal | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Refrigerator Exchange | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Freezer Exchange | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | | |

Costs for Measures Without Energy Impacts Installed in 86 Total Households with Spending and/or Energy Impacts:
Total12,548
Unspecified Insul.00.00
Duct Insulation00.00
Duct Sealing00.00
Dammng Material00.00
Htg. Sys. Tune & Clean00.00
Htg. Sys./Wh/Other00.00
Space Heater Repl.00.00
Air Conditioning Work00.00
Water Heater Repl.00.00
Water Heater Repair00.00
Refrigerator Coil Clean00.00
Unspecified Utility Meas00.00
Asbestos Abatement00.00
CO Detector00.00
Smoke Detector00.00
Fuses00.00
Htg Sys Safety Check00.00
Exhaust Ventilation00.00
Health/Safety Repairs00.00
Health/Safety Other00.00
Consumables00.00
Preservation00.00
Roof Repairs00.00
General Repairs00.00
Evaluator Labor00.00
Inspector Labor00.00
Eval/Insp Labor00.00
Meter Refrig (no action)00.00
Meter Freezer (no action)00.00
Support83151.18
Landlord00.00
Landlord00.00
Warehouse00.00
Unspecified00.00
Total Reported Materials, Labor, and Support Costs:92,263
Grand Total of Expenditures:92,263

NE Iowa
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | Spending on Materials & Labor (\$) | Estimated First-Year Savings | | | | Gas | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------------|----------|-----|---------|----------|---------|---|----------|------------------------------------|------------------------------|----------|-----------|-------|------------|---------------|---------------|---|------------------|---------------|------------------------------------|-----------|-----------|-----------|-----------|------------|---------------|---------------|-----------------|------------------|------------------|------------|---|---|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | | | | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | |
| | | | | | | Cooling | Heating | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OVERALL | 72 | 71 | 48 | 1 | 0 | 0 | | | 69,003 | 8.0 | | 5.8 | | 33,400 | 119 | 11,886 | 46 | 0 | 0 | 958.38 | 0.091 | | 0.072 | | 470 | 2,489 | 248 | 46 | - | - | | | |
| Shell & Htg. Sys. | 71 | 70 | 48 | 0 | 0 | 0 | 57 | 50 | 62,995 | 5.3 | 3,941 | 2.5 | 5,446 | 9,387 | 119 | 11,594 | 0 | 0 | 0 | 887.25 | 0.092 | 69 | 0.050 | 109 | 134 | 2,470 | 242 | - | - | - | | | |
| Wall Insul. | 41 | 41 | 27 | 0 | 0 | 0 | 37 | 28 | 24,695 | 3.49 | 2,609 | 1.95 | 4,223 | 6,832 | 58 | 5,713 | 0 | 0 | 0 | 602.31 | 0.094 | 71 | 0.070 | 151 | 167 | 2,166 | 212 | - | - | - | | | |
| Ceiling Insul. | 54 | 54 | 32 | 0 | 0 | 0 | 50 | 32 | 18,147 | 1.78 | 1,334 | 0.38 | 618 | 2,152 | 31 | 3,041 | 0 | 0 | 0 | 336.06 | 0.036 | 27 | 0.012 | 26 | 40 | 0.973 | 95 | - | - | - | | | |
| Infil. Reduction | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | |
| Found./Crawl. Insul. | 13 | 13 | 9 | 0 | 0 | 0 | 11 | 9 | 2,416 | 0.00 | (2) | 0.06 | 136 | 134 | 5 | 516 | 0 | 0 | 0 | 185.87 | 0.000 | (0) | 0.007 | 15 | 10 | 0.585 | 57 | - | - | - | | | |
| Bandjoist Insul. | 11 | 11 | 10 | 0 | 0 | 0 | - | 11 | 1,738 | 0.00 | 0 | 0.12 | 269 | 269 | 2 | 148 | 0 | 0 | 0 | 157.99 | - | - | 0.011 | 24 | 24 | 0.152 | 15 | - | - | - | | | |
| Hi-Eff Htg Sys Repl | 11 | 0 | 11 | 0 | 0 | 0 | - | 11 | 15,999 | 0.00 | 0 | 0.00 | 0 | 0 | 22 | 2,176 | 0 | 0 | 0 | 1454.43 | - | - | 0.000 | 0 | - | 2.013 | 198 | - | - | - | | | |
| Std-Eff Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | |
| Water Heating | 18 | 10 | 7 | 1 | 0 | 0 | 26 | 13 | 12 | | | | | 77 | 0.3 | | 0.7 | | 4,058 | 0.9 | 292 | | 4.31 | | 0.029 | | 0.072 | 406 | 0.130 | 42 | 46 | - | - |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | 0 | 0.00 | | 0.00 | | 0 | 0.0 | 0 | | 0.00 | | - | - | - | - | - | - | - | | |
| WH Wrap | 4 | 2 | 2 | 0 | 0 | 0 | | | | | | | | 40 | 0.05 | | 0.06 | | 481 | 0.1 | 41 | | 10.00 | | 0.025 | | 0.029 | 241 | 0.059 | 20 | - | - | - |
| Pipe Insul. | 17 | 10 | 6 | 1 | 0 | 0 | | | | | | | | 10 | 0.10 | | 0.12 | | 994 | 0.2 | 58 | | 0.060 | | 0.010 | | 0.012 | 98 | 0.028 | 10 | 10 | - | - |
| LF Showerhead | 11 | 6 | 4 | 1 | 0 | 0 | 11 | 6 | 4 | | | | | 20 | 0.12 | | 0.48 | | 2,276 | 0.5 | 164 | | 1.82 | | 0.021 | | 0.080 | 379 | 0.134 | 41 | 35 | - | - |
| Faucet Aerator | 8 | 4 | 4 | 0 | 0 | 0 | 15 | 7 | 8 | | | | | 7 | 0.02 | | 0.07 | | 317 | 0.1 | 29 | | 0.90 | | 0.004 | | 0.017 | 79 | 0.023 | 7 | - | - | - |
| Lighting | 20 | 20 | | | | | 1,897 | 1,897 | | | | | | 464 | 0.1 | | 0.1 | | 1,426 | | | | 23.21 | | 0.006 | | 0.005 | 71 | - | - | - | - | - |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | 0.00 | | - | - | - | - | - | - | - | - | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | 0.00 | | - | - | - | - | - | - | - | - | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | 0.00 | | - | - | - | - | - | - | - | - | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | 0.00 | | - | - | - | - | - | - | - | - | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | 0.00 | | - | - | - | - | - | - | - | - | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | 0.00 | | - | - | - | - | - | - | - | - | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | 0.00 | | - | - | - | - | - | - | - | - | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | 0.00 | | - | - | - | - | - | - | - | - | |
| CFL (15W) | 0 | 0 | | | | | 0 | 0 | | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | 0.00 | | - | - | - | - | - | - | - | - | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | 0.00 | | - | - | - | - | - | - | - | - | |
| CFL (20W) | 0 | 0 | | | | | 0 | 0 | | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | 0.00 | | - | - | - | - | - | - | - | - | |
| CFL (23W) | 0 | 0 | | | | | 0 | 0 | | | | | | 0 | 0.00 | | 0.00 | | 0 | | | | 0.00 | | - | - | - | - | - | - | - | - | |
| CFL (25W) | 9 | 9 | | | | | 11 | 11 | | 253 | 0.07 | 0.05 | | 825 | | | | | | 28.13 | 0.007 | | 0.006 | | 92 | | | | | | | | |
| CFL Circline (30W) | 5 | 5 | | | | | 5 | 5 | | 211 | 0.05 | 0.04 | | 600 | | | | | | 42.20 | 0.010 | | 0.007 | | 120 | | | | | | | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | | | - | - | - | - | - | - | - | - | - | - | |
| Waterbed Mattress Pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | | | - | - | - | - | - | - | - | - | - | - | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | | | - | - | - | - | - | - | - | - | - | - | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | | | - | - | - | - | - | - | - | - | - | - | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | | | - | - | - | - | - | - | - | - | - | - | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | | | - | - | - | - | - | - | - | - | - | - | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | | | - | - | - | - | - | - | - | - | - | - | |
| Refrigerator/Freezer | 13 | 13 | | | | | 14 | 14 | | 5,467 | 2.28 | 2.45 | | 18,530 | | | | | | 420.54 | 0.175 | | 0.188 | | 1,425 | | | | | | | | |
| Refrigerator Remova | 2 | 2 | | | | | 2 | 2 | | 40 | 0.49 | 0.53 | | 3,980 | | | | | | 20.00 | 0.245 | | 0.263 | | 1,990 | | | | | | | | |
| Refrigerator Exchange | 8 | 8 | | | | | 9 | 9 | | 4,494 | 1.43 | 1.53 | | 11,616 | | | | | | 561.75 | 0.179 | | 0.192 | | 1,452 | | | | | | | | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | 0.00 | | | - | - | - | - | - | - | - | - | - | - | |
| Freezer Exchange | 3 | 3 | | | | | 3 | 3 | | 933 | 0.36 | 0.39 | | 2,934 | | | | | | 311.00 | 0.120 | | 0.129 | | 978 | | | | | | | | |

Costs for Measures Without Energy Impacts Installed in 72 Total Households with Spending and/or Energy Impacts:
Total10,603
Unspecified Insul.00.00
Duct Insulation00.00
Duct Sealing00.00
Dammng Material00.00
Htg. Sys. Tune & Clean00.00
Htg. Sys./Wh/ Other00.00
Space Heater Repl.00.00
Air Conditioning Work00.00
Water Heater Repl.00.00
Water Heater Repair00.00
Refrigerator Coil Clean00.00
Unspecified Utility Meas00.00
Asbestos Abatement00.00
CO Detector00.00
Smoke Detector00.00
Fuses00.00
Htg Sys Safety Check00.00
Exhaust Ventilation00.00
Health/Safety Repairs00.00
Health/Safety Other00.00
Consumables00.00
Preservation00.00
Roof Repairs00.00
General Repairs00.00
Evaluator Labor00.00
Inspector Labor00.00
Eval/Insp Labor00.00
Meter Refrig (no action)00.00
Meter Freezer (no action)00.00
Support63168.31
Landlord00.00
Landlord00.00
Warehouse00.00
Unspecified00.00
Total Reported Materials, Labor, and Support Costs:79,607
Grand Total of Expenditures:79,607

New View
Calendar Year 2001 Estimates

| | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | |
|-----------------------|-----------------------------------|----------|-----|---------|----------|-------|---|----------|-----|---------|------------------------------------|-----------|------------------------------|-----------|------------|---------------|---------------|-------------------|------------------|------------------|------------|------------------------------------|---|---------------|---------------|-----------------|------------------|---------------|-------------------|-----------------|------------------|------------|--|--|--|
| Measure | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | | | Spending on Materials & Labor (\$) | Summer kW | Summer kWh | Winter kW | Winter kWh | Annual kWh | Pk-Day therms | Gas Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Summer kW | Summer kWh | Winter kW | Winter kWh | Annual kWh | Pk-Day therms | Gas Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OVERALL | 90 | 89 | 56 | 0 | 0 | 0 | | | | 78,788 | 15.9 | | 7.2 | | | 62,261 | 59 | 5,558 | 0 | 0 | 0 | 875.42 | 0.106 | | 0.052 | | 700 | 1,045 | 99 | - | - | - | | | |
| Shell & Htg. Sys. | 88 | 87 | 55 | 0 | 0 | 0 | 68 | 56 | | 63,270 | 10.4 | 7,779 | 1.3 | 2,824 | 10,604 | 59 | 5,558 | 0 | 0 | 0 | 718.98 | 0.153 | 114 | 0.024 | 50 | 122 | 1,165 | 99 | - | - | - | | | | |
| Wall Insul. | 57 | 57 | 34 | 0 | 0 | 0 | 41 | 34 | | 17,199 | 3.99 | 2,987 | 0.70 | 1,464 | 4,421 | 22 | 2,125 | 0 | 0 | 0 | 301.74 | 0.097 | 72 | 0.020 | 43 | 78 | 0.659 | 62 | - | - | - | | | | |
| Ceiling Insul. | 80 | 80 | 51 | 0 | 0 | 0 | 62 | 51 | | 29,263 | 6.16 | 4,600 | 0.54 | 1,130 | 5,730 | 17 | 1,613 | 0 | 0 | 0 | 365.79 | 0.099 | 74 | 0.011 | 22 | 72 | 0.333 | 32 | - | - | - | | | | |
| Infil. Reduction | 44 | 1 | 43 | 0 | 0 | 0 | 1 | 43 | | 4,318 | 0.00 | 3 | 0.00 | 0 | 3 | 10 | 929 | 0 | 0 | 0 | 98.14 | - | - | - | - | - | - | - | - | - | - | | | | |
| Found./Crawl. Insul. | 20 | 20 | 9 | 0 | 0 | 0 | 16 | 9 | | 2,445 | 0.29 | 219 | 0.08 | 170 | 389 | 3 | 250 | 0 | 0 | 0 | 122.23 | 0.018 | 14 | 0.009 | 19 | 19 | 0.291 | 28 | - | - | - | | | | |
| Bandjoist Insul. | 17 | 17 | 17 | 0 | 0 | 0 | - | 17 | | 1,045 | 0.00 | 0 | 0.03 | 60 | 60 | 1 | 87 | 0 | 0 | 0 | 61.48 | - | - | 0.002 | 4 | 4 | 0.054 | 5 | - | - | - | | | | |
| Hi-Eff Htg Sys Repl | 9 | 0 | 9 | 0 | 0 | 0 | - | 9 | | 9,000 | 0.00 | 0 | 0.00 | 0 | 0 | 6 | 555 | 0 | 0 | 0 | 1000.00 | - | - | 0.000 | 0 | - | 0.648 | 62 | - | - | - | | | | |
| Std-Eff Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | | | |
| Water Heating | 11 | 11 | 0 | 0 | 0 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 233 | 0.4 | 0.6 | 4,276 | 0.0 | 0 | 0 | 0 | 21.18 | 0.035 | | 0.056 | | 389 | | | - | - | - | | | | |
| Temp. Reduct. | 9 | 9 | 0 | 0 | 0 | 0 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| Wh Wrap. | 9 | 9 | 0 | 0 | 0 | 0 | 170 | 0 | 0 | 0 | 0 | 0 | 170 | 0.22 | 0.26 | 2,165 | 0.0 | 0 | 0 | 0 | 18.89 | 0.025 | 0.029 | | | 241 | | | - | - | - | | | | |
| Pipe Insul. | 10 | 10 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 30 | 0.10 | 0.12 | 984 | 0.0 | 0 | 0 | 0 | 3.00 | 0.010 | 0.012 | | | 98 | | | - | - | - | | | | |
| LF Showerhead | 4 | 4 | 0 | 0 | 0 | 0 | 28 | 4 | 0 | 0 | 0 | 0 | 28 | 0.06 | 0.23 | 1,060 | 0.0 | 0 | 0 | 0 | 7.00 | 0.014 | 0.057 | | | 265 | | | - | - | - | | | | |
| Faucet Aerator | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 5 | 0.00 | 0.01 | 67 | 0.0 | 0 | 0 | 0 | 5.00 | 0.004 | 0.014 | | | 67 | | | - | - | - | | | | |
| Lighting | 71 | 71 | | | | | 1,897 | 1,897 | | 4,824 | 1.5 | | 1.5 | | | 18,571 | | | | | 67.94 | 0.021 | | 0.021 | | 262 | - | - | - | - | - | | | | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | | 0.00 | | | 0 | | | | | 0.00 | - | - | - | - | | | | | | | | | | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | | 0.00 | | | 0 | | | | | 0.00 | - | - | - | - | | | | | | | | | | |
| Capsylite (72W) | 2 | 2 | | | | | 136 | 8 | | 0.02 | 0.00 | | 308 | 0.02 | 0.00 | 0 | | | | | 88.00 | 0.012 | | 0.009 | | 154 | | | - | - | - | | | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | | 0.00 | | | 0 | | | | | 0.00 | - | - | - | - | | | | | | | | | | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | | 0.00 | | | 0 | | | | | 0.00 | - | - | - | - | | | | | | | | | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | | 0.00 | | | 0 | | | | | 0.00 | - | - | - | - | | | | | | | | | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | | 0.00 | | | 0 | | | | | 0.00 | - | - | - | - | | | | | | | | | | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | | 0.00 | | | 0 | | | | | 0.00 | - | - | - | - | | | | | | | | | | |
| CFL (15W) | 23 | 23 | | | | | 80 | 80 | | 1,376 | 0.29 | | 0.25 | | | 3,599 | | | | | 59.80 | 0.013 | | 0.011 | | 156 | | | | | | | | | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | | 0.00 | | | 0 | | | | | 0.00 | - | - | - | - | | | | | | | | | | |
| CFL (20W) | 6 | 6 | | | | | 17 | 17 | | 281 | 0.07 | | 0.06 | | | 935 | | | | | 46.80 | 0.012 | | 0.009 | | 156 | | | | | | | | | |
| CFL (23W) | 32 | 32 | | | | | 123 | 123 | | 2,091 | 0.68 | | 0.65 | | | 8,237 | | | | | 65.34 | 0.021 | | 0.020 | | 257 | | | | | | | | | |
| CFL (25W) | 14 | 14 | | | | | 54 | 54 | | 742 | 0.33 | | 0.30 | | | 4,052 | | | | | 52.98 | 0.024 | | 0.022 | | 289 | | | | | | | | | |
| CFL Circulne (30W) | 5 | 5 | | | | | 12 | 12 | | 199 | 0.12 | | 0.18 | | | 1,440 | | | | | 39.76 | 0.025 | | 0.036 | | 288 | | | | | | | | | |
| CFL unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | | 0.00 | | | 0 | | | | | 0.00 | - | - | - | - | | | | | | | | | | |
| Waterbed Mattress Pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | | 0 | 0.0 | 0 | 0 | 0.0 | 0.00 | - | - | - | - | | | | | | | | | | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | | 0 | 0.0 | 0 | 0 | 0.0 | 0.00 | - | - | - | - | | | | | | | | | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | | 0 | 0.0 | 0 | 0 | 0.0 | 0.00 | - | - | - | - | | | | | | | | | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | | 0 | 0.0 | 0 | 0 | 0.0 | 0.00 | - | - | - | - | | | | | | | | | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | | 0 | 0.0 | 0 | 0 | 0.0 | 0.00 | - | - | - | - | | | | | | | | | | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 | | | 0 | 0.0 | 0 | 0 | 0.0 | 0.00 | - | - | - | - | | | | | | | | | | |
| Refrigerator/Freezer | 22 | 22 | | | | | 22 | 22 | | 10,461 | 3.55 | | 3.80 | | | 28,610 | | | | | 475.51 | 0.162 | | 0.173 | | 1,310 | | | | | | | | | |
| Refrigerator Removal | 1 | 1 | | | | | 1 | 1 | | 20 | 0.26 | | 0.26 | | | 1,990 | | | | | 20.00 | 0.245 | | 0.263 | | 1,990 | | | - | - | - | - | | | |
| Refrigerator Exchange | 18 | 18 | | | | | 18 | 18 | | 9,634 | 2.95 | | 3.15 | | | 23,886 | | | | | 535.24 | 0.164 | | 0.175 | | 1,327 | | | - | - | - | - | | | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | | 0.00 | | | 0 | | | | | 0.00 | - | - | - | - | | | | | | | | | | |
| Freezer Exchange | 3 | 3 | | | | | 3 | 3 | | 807 | 0.36 | | 0.39 | | | 2,934 | | | | | 269.00 | 0.120 | | 0.129 | | 978 | | | - | - | - | - | | | |

Costs for Measures Without Energy Impacts Installed in 91 Total Households with Spending and/or Energy Impacts:

| Total | | 11,689 | |
|---------------------------|----|--------|--------|
| Unspecified Insul. | 39 | 2,667 | 68.39 |
| Duct Insulation | 0 | 0 | 0.00 |
| Duct Sealing | 0 | 0 | 0.00 |
| Damming Material | 0 | 0 | 0.00 |
| Htg. Sys. Tune & Clean | 0 | 0 | 0.00 |
| Htg. Sys./WH Other | 0 | 0 | 0.00 |
| Space Heater Repl. | 0 | 0 | 0.00 |
| Air Conditioning Work | 0 | 0 | 0.00 |
| Water Heater Repl. | 3 | 1,200 | 400.00 |
| Water Heater Repair | 0 | 0 | 0.00 |
| Refrigerator Coil Clean | 0 | 0 | 0.00 |
| Unspecified Utility Meas | 0 | 0 | 0.00 |
| Asbestos Abatement | 0 | 0 | 0.00 |
| CO Detector | 0 | 0 | 0.00 |
| Smoke Detector | 0 | 0 | 0.00 |
| Fuses | 0 | 0 | 0.00 |
| Htg Sys Safety Check | 0 | 0 | 0.00 |
| Exhaust Ventilation | 0 | 0 | 0.00 |
| Health/Safety Repairs | 0 | 0 | 0.00 |
| Health/Safety Other | 0 | 0 | 0.00 |
| Consumables | 0 | 0 | 0.00 |
| Preservation | 0 | 0 | 0.00 |
| Roof Repairs | 0 | 0 | 0.00 |
| General Repairs | 0 | 0 | 0.00 |
| Evaluator Labor | 0 | 0 | 0.00 |
| Inspector Labor | 0 | 0 | 0.00 |
| Eval/Insp Labor | 0 | 0 | 0.00 |
| Meter Refrig (no action) | 0 | 0 | 0.00 |
| Meter Freezer (no action) | 0 | 0 | 0.00 |
| Support | 73 | 7,822 | 107.15 |
| Landlord | 0 | 0 | 0.00 |
| Landlord | 0 | 0 | 0.00 |
| Warehouse | 0 | 0 | 0.00 |
| Unspecified | 0 | 0 | 0.00 |

Total Reported Materials, Labor, and Support Costs:

Grand Total of Expenditures:

Threshold
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | |
|---|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|-------------|----------|-----------|------------------------------|------------|---------------|---------------|-----------------|------------------|---|------------------------------------|-------------|-----------|------------|---------------|---------------|-----------------|------------------|-----------------|------------------|------------|---|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Electricity | | | | Annual kWh | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Electricity | | | | Annual kWh | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | |
| | | | | | | | | | | Summer kW | kWh | Winter kW | kWh | | Pk-Day therms | Annual therms | | | | | Summer kW | kWh | Winter kW | kWh | | Pk-Day therms | Annual therms | | | | |
| OVERALL | 51 | 50 | 50 | 0 | 0 | 0 | | | 83,323 | 5.8 | | 3.0 | | 16,583 | 114 | 11,247 | 0 | 0 | 0 | 1633.79 | 0.074 | | 0.035 | | 332 | 2,275 | 225 | - | - | - | |
| Shell & Htg. Sys. | 50 | 49 | 50 | 0 | 0 | 0 | 42 | 50 | 80,320 | 5.0 | 3,861 | 1.7 | 3,741 | 7,602 | 113 | 10,973 | 0 | 0 | 0 | 1606.40 | 0.120 | 92 | 0.035 | 75 | 155 | 2,259 | 219 | - | - | - | |
| Wall Insul. | 37 | 37 | 37 | 0 | 0 | 0 | 34 | 37 | 31,045 | 3.83 | 2,932 | 1.06 | 2,290 | 5,222 | 58 | 5,674 | 0 | 0 | 0 | 839.05 | 0.113 | 86 | 0.029 | 62 | 141 | 1,579 | 153 | - | - | - | |
| Ceiling Insul. | 46 | 46 | 46 | 0 | 0 | 0 | 37 | 46 | 24,791 | 1.13 | 864 | 0.47 | 1,020 | 1,884 | 24 | 2,354 | 0 | 0 | 0 | 538.93 | 0.030 | 23 | 0.010 | 22 | 41 | 0.527 | 51 | - | - | - | |
| Infil. Reduction | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 371 | 0.00 | 0 | 0.00 | 0 | 0 | 2 | 207 | 0 | 0 | 0 | 123.56 | - | - | - | - | - | - | - | - | - | - | |
| Found./Crawl. Insul. | 12 | 12 | 12 | 0 | 0 | 0 | 10 | 12 | 4,428 | 0.09 | 65 | 0.15 | 330 | 395 | 10 | 976 | 0 | 0 | 0 | 369.00 | 0.009 | 7 | 0.013 | 27 | 33 | 0.835 | 81 | - | - | - | |
| Bandjoist Insul. | 23 | 23 | 23 | 0 | 0 | 0 | - | 23 | 1,456 | 0.00 | 0 | 0.05 | 100 | 100 | 2 | 234 | 0 | 0 | 0 | 63.29 | - | - | 0.002 | 4 | 4 | 0.105 | 10 | - | - | - | |
| Hi-Eff Htg Sys Repl | 11 | 0 | 11 | 0 | 0 | 0 | - | 11 | 18,230 | 0.00 | 0 | 0.00 | 0 | 0 | 16 | 1,529 | 0 | 0 | 0 | 1657.29 | - | - | 0.000 | 0 | - | 1.431 | 139 | - | - | - | |
| Std-Eff Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | |
| Water Heating | 32 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 266 | 0.00 | 0.00 | 0.00 | | 0 | 0.8 | 274 | 0 | 0 | 0 | 8.31 | - | - | - | - | 0.025 | 9 | - | - | - | - | - |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | | | 68 | 0.00 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| WH Wrap | 4 | 0 | 4 | 0 | 0 | 0 | | | 198 | 0.00 | 0.00 | 0.00 | | 0 | 0.2 | 57 | 0 | 0 | 0 | 17.00 | - | - | - | - | 0.041 | 14 | - | - | - | - | - |
| Pipe Insul. | 32 | 0 | 32 | 0 | 0 | 0 | | | 0 | 0.00 | 0.00 | 0.00 | | 0 | 0.6 | 217 | 0 | 0 | 0 | 6.19 | - | - | - | - | 0.020 | 7 | - | - | - | - | - |
| LF Showerhead | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| Faucet Aerator | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| Lighting | 36 | 36 | | | | | 1,897 | 1,897 | 2,737 | 0.8 | | 1.2 | | 8,982 | | | | | | 76.03 | 0.021 | | 0.035 | | 249 | - | - | - | - | - | - |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| CFL (11W) | 1 | 1 | | | | | 3 | 3 | 55 | 0.01 | 0.01 | 0.01 | | 87 | | | | | 55.12 | 0.007 | | 0.011 | | 87 | - | - | - | - | - | - | - |
| CFL (15W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| CFL (20W) | 21 | 21 | | | | | 96 | 96 | 1,696 | 0.45 | 0.73 | | 5,278 | | | | | | 80.76 | 0.022 | | 0.035 | | 251 | - | - | - | - | - | - | - |
| CFL (23W) | 15 | 15 | | | | | 54 | 54 | 986 | 0.31 | 0.50 | | 3,616 | | | | | | 65.73 | 0.021 | | 0.033 | | 241 | - | - | - | - | - | - | - |
| CFL (25W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| CFL Circline (30W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| Waterbed Mattress Pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - | - | - | - |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - | - | - | - |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - | - | - | - |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - | - | - | - |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - | - | - | - |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - | - | - | - |
| Refrigerator/Freezer | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| Refrigerator Removal | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| Refrigerator Exchange | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| Freezer Exchange | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| Costs for Measures Without Energy Impacts Installed in 51 Total Households with Spending and/or Energy Impacts: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6,525 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified Insul. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct Insulation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct Sealing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Damping Material | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Htg. Sys. Tune & Clean | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Htg. Sys./WH Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Space Heater Repl. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Air Conditioning Work | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water Heater Repl. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water Heater Repair | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Refrigerator Coil Clean | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified Utility Meas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Asbestos Abatement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CO Detector | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Smoke Detector | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fuses | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Htg Sys Safety Check | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Exhaust Ventilation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Health/Safety Repairs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Health/Safety Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Consumables | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preservation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Roof Repairs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| General Repairs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Evaluator Labor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inspector Labor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eval/Insp Labor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meter Refrig (no action) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meter Freezer (no action) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Support | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Landlord | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Landlord | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Warehouse | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Reported Materials, Labor, and Support Costs: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89,848 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grand Total of Expenditures: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89,848 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Costs for Measures Without Energy Impacts Installed in 45 Total Households with Spending and/or Energy Impacts: | | |
|---|----|--------|
| Total | | 13,537 |
| Unspecified Insul. | 0 | 0.00 |
| Duct Insulation | 0 | 0.00 |
| Duct Sealing | 0 | 0.00 |
| Damming Material | 0 | 0.00 |
| Htg. Sys. Tune & Clean | 0 | 0.00 |
| Htg. Sys./WH Other | 0 | 0.00 |
| Space Heater Repl. | 0 | 0.00 |
| Air Conditioning Work | 0 | 0.00 |
| Water Heater Repl. | 0 | 0.00 |
| Water Heater Repair | 0 | 0.00 |
| Refrigerator Coil Clean | 0 | 0.00 |
| Unspecified Utility Meas | 0 | 0.00 |
| Asbestos Abatement | 0 | 0.00 |
| CO Detector | 0 | 0.00 |
| Smoke Detector | 0 | 0.00 |
| Fuses | 0 | 0.00 |
| Htg Sys Safety Check | 0 | 0.00 |
| Exhaust Ventilation | 0 | 0.00 |
| Health/Safety Repairs | 0 | 0.00 |
| Health/Safety Other | 0 | 0.00 |
| Consumables | 0 | 0.00 |
| Preservation | 0 | 0.00 |
| Roof Repairs | 0 | 0.00 |
| General Repairs | 0 | 0.00 |
| Evaluator Labor | 0 | 0.00 |
| Inspector Labor | 0 | 0.00 |
| Eval/Insp Labor | 0 | 0.00 |
| Meter Refrig (no action) | 0 | 0.00 |
| Meter Freezer (no action) | 0 | 0.00 |
| Support | 43 | 314.82 |
| Landlord | 0 | 0.00 |
| Landlord | 0 | 0.00 |
| Warehouse | 0 | 0.00 |
| Unspecified | 0 | 0.00 |

69,166

69,166

SE Iowa
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | |
|-----------------------|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|-------------|----------|-----------|------------------------------|------------|---------------|---------------|-----------------|------------------------------------|------------------|------------|-----------|-----------|---|------------|---------------|---------------|-----------------|------------------|------------|---------------|--|--|--|--|
| Measure | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Electricity | | | | | Gas | | | Spending on Materials & Labor (\$) | Electricity | | | | | Gas | | | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | |
| | | | | | | | | | | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | | Fuel Oil gallons | Other Mbtu | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | | | | Annual therms | | | | |
| OVERALL | 78 | 78 | 61 | 0 | 0 | 0 | | | 118,967 | 17.0 | | 10.4 | | 38,219 | 240 | 21,033 | | 1525.22 | 0.139 | | 0.089 | | 490 | 3.935 | 345 | - | - | - | | | | | | |
| Shell & Htg. Sys. | 75 | 75 | 61 | 0 | 0 | 0 | 67 | 62 | 116,453 | 15.9 | 11,845 | 6.6 | 12,784 | 24,629 | 241 | 21,164 | | 1552.70 | 0.237 | 177 | 0.106 | 206 | 328 | 3,948 | 347 | - | - | - | | | | | | |
| Wall Insul. | 71 | 71 | 59 | 0 | 0 | 0 | 63 | 60 | 55,121 | 8.88 | 6,624 | 4.51 | 8,739 | 15,363 | 150 | 13,200 | | 776.35 | 0.141 | 105 | 0.075 | 146 | 216 | 2,545 | 224 | - | - | - | | | | | | |
| Ceiling Insul. | 64 | 64 | 55 | 0 | 0 | 0 | 55 | 56 | 35,204 | 6.60 | 4,922 | 1.27 | 2,463 | 7,385 | 49 | 4,299 | | 550.07 | 0.120 | 89 | 0.023 | 44 | 115 | 0.889 | 78 | - | - | - | | | | | | |
| Infil. Reduction | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Found./Crawl. Insul. | 23 | 23 | 19 | 0 | 0 | 0 | 23 | 20 | 5,713 | 0.40 | 299 | 0.81 | 1,572 | 1,871 | 13 | 1,173 | | 248.41 | 0.017 | 13 | 0.041 | 79 | 81 | 0.704 | 62 | - | - | - | | | | | | |
| Bandjoist Insul. | 3 | 3 | 3 | 0 | 0 | 0 | - | 3 | 390 | 0.00 | 0 | 0.01 | 11 | 11 | 0 | 31 | | 129.87 | - | - | 0.002 | 4 | 4 | 0.118 | 10 | - | - | - | | | | | | |
| Hi-Eff Htg Sys Repl | 10 | 0 | 10 | 0 | 0 | 0 | - | 10 | 20,025 | 0.00 | 0 | 0.00 | 0 | 0 | 28 | 2,462 | | 2002.52 | - | - | 0.000 | 0 | - | 2.803 | 246 | - | - | - | | | | | | |
| Std-Eff Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | | |
| Water Heating | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 0 | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| WH Wrap | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Pipe Insul. | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| LF Showerhead | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Faucet Aerator | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Lighting | 55 | 55 | | | | | 1,897 | 1,897 | 2,477 | 1.1 | | 2.9 | | 11,291 | | | | 45.03 | 0.021 | | 0.053 | | 205 | - | - | - | - | - | - | | | | | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| CFL (5W) | 4 | 4 | | | | | 8 | 8 | 74 | 0.02 | 0.04 | | 160 | | | | 18.38 | 0.004 | | 0.010 | | 40 | - | - | - | - | - | - | - | | | | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| CFL (11W) | 22 | 22 | | | | | 104 | 104 | 876 | 0.30 | 0.78 | | 3,017 | | | | 39.81 | 0.014 | | 0.036 | | 137 | - | - | - | - | - | - | - | | | | | |
| CFL (15W) | 31 | 31 | | | | | 91 | 91 | 885 | 0.41 | 1.06 | | 4,094 | | | | 28.55 | 0.013 | | 0.034 | | 132 | - | - | - | - | - | - | - | | | | | |
| CFL (18W) | 1 | 1 | | | | | 14 | 14 | 1 | 0.01 | 0.01 | | 57 | | | | 14.17 | 0.006 | | 0.015 | | 57 | - | - | - | - | - | - | - | | | | | |
| CFL (20W) | 14 | 14 | | | | | 26 | 26 | 236 | 0.14 | 0.37 | | 1,430 | | | | 16.85 | 0.010 | | 0.027 | | 102 | - | - | - | - | - | - | - | | | | | |
| CFL (23W) | 3 | 3 | | | | | 4 | 4 | 65 | 0.03 | 0.07 | | 268 | | | | 21.79 | 0.009 | | 0.023 | | 89 | - | - | - | - | - | - | - | | | | | |
| CFL (25W) | 14 | 14 | | | | | 19 | 19 | 214 | 0.14 | 0.37 | | 1,426 | | | | 15.27 | 0.010 | | 0.026 | | 102 | - | - | - | - | - | - | - | | | | | |
| CFL Circline (30W) | 5 | 5 | | | | | 7 | 7 | 113 | 0.08 | 0.22 | | 840 | | | | 22.67 | 0.017 | | 0.044 | | 168 | - | - | - | - | - | - | - | | | | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Waterbed Mattress Pad | 3 | 3 | 3 | 0 | 0 | 0 | 6 | 3 | 3 | 0.00 | 0.87 | | 2,299 | -0.8 | -132 | | 0.0 | 0.0 | 0.0 | 0.0 | | 12.50 | 0.000 | 0.290 | 766 | -0.267 | -44 | - | - | - | | | | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Unknown | 3 | 3 | 3 | 0 | 0 | 0 | 6 | 3 | 3 | 0.00 | 0.87 | | 2,299 | -0.8 | -132 | | 0.0 | 0.0 | 0.0 | 0.0 | | 12.50 | 0.000 | 0.290 | 766 | -0.267 | -44 | - | - | - | | | | |
| Refrigerator/Freezer | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Refrigerator Removal | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Refrigerator Exchange | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| Freezer Exchange | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |

Costs for Measures Without Energy Impacts Installed in 78 Total Households with Spending and/or Energy Impacts:

| | | | |
|---------------------------|----|-----|--------|
| Total | | 997 | |
| Unspecified Insul. | 28 | 360 | 12.85 |
| Duct Insulation | 1 | 146 | 145.87 |
| Duct Sealing | 0 | 0 | 0.00 |
| Damming Material | 0 | 0 | 0.00 |
| Htg. Sys. Tune & Clean | 0 | 0 | 0.00 |
| Htg. Sys./WH/Other | 0 | 0 | 0.00 |
| Space Heater Repl. | 0 | 0 | 0.00 |
| Air Conditioning Work | 0 | 0 | 0.00 |
| Water Heater Repl. | 0 | 0 | 0.00 |
| Water Heater Repair | 0 | 0 | 0.00 |
| Refrigerator Coil Clean | 0 | 0 | 0.00 |
| Unspecified Utility Meas | 0 | 0 | 0.00 |
| Asbestos Abatement | 0 | 0 | 0.00 |
| CO Detector | 0 | 0 | 0.00 |
| Smoke Detector | 0 | 0 | 0.00 |
| Fuses | 0 | 0 | 0.00 |
| Htg Sys Safety Check | 0 | 0 | 0.00 |
| Exhaust Ventilation | 0 | 0 | 0.00 |
| Health/Safety Repairs | 0 | 0 | 0.00 |
| Health/Safety Other | 0 | 0 | 0.00 |
| Consumables | 0 | 0 | 0.00 |
| Preservation | 0 | 0 | 0.00 |
| Roof Repairs | 0 | 0 | 0.00 |
| General Repairs | 0 | 0 | 0.00 |
| Evaluator Labor | 0 | 0 | 0.00 |
| Inspector Labor | 0 | 0 | 0.00 |
| Eval/Insp Labor | 0 | 0 | 0.00 |
| Meter Refrig (no action) | 0 | 0 | 0.00 |
| Meter Freezer (no action) | 0 | 0 | 0.00 |
| Support | 1 | 491 | 491.00 |
| Landlord | 0 | 0 | 0.00 |
| Landlord | 0 | 0 | 0.00 |
| Warehouse | 0 | 0 | 0.00 |
| Unspecified | 0 | 0 | 0.00 |

Total Reported Materials, Labor, and Support Costs: 119,964

Grand Total of Expenditures: 119,964

SIEDA
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use Cooling Heating | Estimated First-Year Savings | | | | | Gas | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | |
|-----------------------|-----------------------------------|----------|-----|---------|----------|-------|---|------------------------------------|-------------|---------|------------|-----------|-----------|---------------|---------------|-----------------|------------------|---|------------------------------------|-------------|--------|------------|-----------|------------|---------------|---------------|-----------------|------------------|------------|---|---|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | | Spending on Materials & Labor (\$) | Electricity | | Annual kWh | Gas | | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Electricity | | Annual kWh | Gas | | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | |
| | | | | | | | | | Summer kW | kWh | | Winter kW | kWh | | | | | | | Summer kW | kWh | | Winter kW | kWh | | | | | | | |
| OVERALL | 115 | 115 | 68 | 1 | 0 | 0 | | 88,972 | 30.8 | | 19.1 | | | 103,560 | 73 | 7,007 | 18 | 0 | 0 | 773.67 | 0.124 | | 0.089 | | 901 | 1,070 | 103 | 18 | - | - | |
| Shell & Htg. Sys. | 109 | 109 | 65 | 0 | 0 | 0 | 100 | 67 | 69,419 | 23.4 | 17,542 | 4.1 | 8,025 | 25,567 | 71 | 6,292 | 0 | 0 | 0 | 636.87 | 0.234 | 175 | 0.061 | 120 | 235 | 1,091 | 97 | - | - | - | |
| Wall Insul. | 67 | 67 | 42 | 0 | 0 | 0 | 64 | 42 | 18,126 | 9.00 | 6,739 | 1.15 | 2,248 | 8,988 | 37 | 3,303 | 0 | 0 | 0 | 270.53 | 0.141 | 105 | 0.027 | 54 | 134 | 0.888 | 79 | - | - | - | |
| Ceiling Insul. | 98 | 98 | 54 | 0 | 0 | 0 | 95 | 56 | 37,215 | 13.04 | 9,756 | 2.31 | 4,519 | 14,275 | 19 | 1,712 | 0 | 0 | 0 | 379.75 | 0.137 | 103 | 0.041 | 81 | 146 | 0.357 | 32 | - | - | - | |
| Infil. Reduction | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| Found./Crawl. Insul. | 38 | 38 | 25 | 0 | 0 | 0 | 38 | 25 | 9,250 | 1.40 | 1,047 | 0.32 | 639 | 1,686 | 10 | 934 | 0 | 0 | 0 | 243.42 | 0.037 | 28 | 0.013 | 26 | 44 | 0.420 | 37 | - | - | - | |
| Bandjoist Insul. | 54 | 54 | 52 | 0 | 0 | 0 | - | 54 | 4,828 | 0.00 | 0 | 0.32 | 619 | 619 | 4 | 342 | 0 | 0 | 0 | 89.41 | - | - | 0.006 | 11 | 11 | 0.074 | 7 | - | - | - | |
| Hi-Eff Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| Std-Eff Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | |
| Water Heating | 92 | 38 | 53 | 1 | 0 | 0 | 232 | 97 | 132 | 3 | 0 | 0 | 1,065 | 1.2 | 2.2 | 15,664 | 2.6 | 842 | 18 | 0 | 0 | 11.58 | 0.031 | 0.059 | 412 | 0.050 | 16 | 18 | - | - | - |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Whi Wrap | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Pipe Insul. | 89 | 37 | 51 | 1 | 0 | 0 | 457 | 1 | 457 | 0.37 | 0.44 | 0.44 | 3,639 | 0.8 | 270 | 6 | 5.14 | 0 | 0 | 0.010 | 0.010 | 0.012 | 98 | 0.015 | 5 | 6 | - | - | - | - | |
| LF Showerhead | 44 | 19 | 24 | 1 | 0 | 0 | 50 | 23 | 26 | 1 | 0 | 0 | 271 | 0.61 | 1.37 | 9,086 | 1.3 | 406 | 11 | 0 | 0 | 6.16 | 0.032 | 0.072 | 478 | 0.055 | 17 | 11 | - | - | - |
| Faucet Aerator | 92 | 38 | 53 | 1 | 0 | 0 | 182 | 74 | 106 | 2 | 0 | 0 | 337 | 0.20 | 0.44 | 2,938 | 0.5 | 166 | 2 | 0 | 0 | 3.66 | 0.005 | 0.012 | 77 | 0.010 | 3 | 2 | - | - | - |
| Lighting | 110 | 110 | | | | | 1,897 | 1,897 | | | | | 3,214 | 1.4 | 3.5 | 14,154 | | | | | 29.22 | 0.013 | 0.032 | 129 | - | - | - | - | - | - | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| CFL (15W) | 99 | 99 | | | | | 104 | 104 | | | | | 1,232 | 0.46 | 1.15 | 4,679 | | | | | 12.44 | 0.005 | 0.012 | 47 | | | | | | | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| CFL (20W) | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| CFL (23W) | 44 | 44 | | | | | 44 | 44 | | | | | 693 | 0.29 | 0.73 | 2,947 | | | | | 15.74 | 0.007 | 0.017 | 67 | | | | | | | |
| CFL (25W) | 70 | 70 | | | | | 87 | 87 | | | | | 1,289 | 0.64 | 1.62 | 6,528 | | | | | 18.42 | 0.009 | 0.023 | 93 | | | | | | | |
| CFL Circline (30W) | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| Waterbed Mattress Pad | 14 | 14 | 4 | 0 | 0 | 0 | 18 | 14 | 4 | 0 | 0 | 0 | 178 | 0.00 | 4.43 | 11,698 | -0.8 | -127 | 0.0 | 0.0 | 0.0 | 12.71 | 0.000 | 0.317 | 836 | -0.193 | -32 | - | - | - | - |
| King | 14 | 14 | 4 | 0 | 0 | 0 | 18 | 14 | 4 | 0 | 0 | 0 | 178 | 0.00 | 4.43 | 11,698 | -0.8 | -127 | 0.0 | 0.0 | 0.0 | 12.71 | 0.000 | 0.317 | 836 | -0.193 | -32 | - | - | - | - |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Refrigerator/Freezer | 27 | 27 | | | | | 32 | 32 | | | | | 15,096 | 4.78 | 4.81 | 36,477 | | | | | 559.11 | 0.177 | 0.178 | 1,351 | - | - | - | - | - | - | |
| Refrigerator Removal | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| Refrigerator Exchange | 18 | 18 | | | | | 23 | 23 | | | | | 10,719 | 3.66 | 3.69 | 27,917 | | | | | 595.50 | 0.203 | 0.205 | 1,551 | - | - | - | - | - | - | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | | | | | 0.00 | - | - | - | - | - | - | - | - | - | |
| Freezer Exchange | 9 | 9 | | | | | 9 | 9 | | | | | 4,377 | 1.12 | 1.13 | 8,560 | | | | | 486.33 | 0.125 | 0.126 | 951 | - | - | - | - | - | - | |

Costs for Measures Without Energy Impacts Installed in 115 Total Households with Spending and/or Energy Impacts:
Total
Unspecified Insul.
Duct Insulation
Duct Sealing
Dammng Material
Htg. Sys. Tune & Clean
Htg. Sys./Whi Other
Space Heater Repl.
Air Conditioning Work
Water Heater Repl.
Water Heater Repair
Refrigerator Coil Clean
Unspecified Utility Meas
Asbestos Abatement
CO Detector
Smoke Detector
Fuses
Htg Sys Safety Check
Exhaust Ventilation
Health/Safety Repairs
Health/Safety Other
Consumables
Preservation
Roof Repairs
General Repairs
Evaluator Labor
Inspector Labor
Eval/Insp Labor
Meter Refrig (no action)
Meter Freezer (no action)
Support
Landlord
Landlord
Warehouse
Unspecified
Total Reported Materials, Labor, and Support Costs:
Grand Total of Expenditures:

Upper Des Moines
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | | |
|---|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|-------------|----------|-----------|------------------------------|------------|---------------|---------------|-----------------|------------------------------------|---|------------|-----------|-----------|-----------|------------|---------------|---------------|-----------------|------------------|------------|---------------|---|---|---|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Electricity | | | | | Gas | | | Spending on Materials & Labor (\$) | Electricity | | | | | Gas | | | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | |
| | | | | | | | | | | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | | Fuel Oil gallons | Other Mbtu | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | | | | Annual therms | | | |
| OVERALL | 82 | 79 | 73 | 0 | 0 | 0 | | | 130,404 | 10.4 | | 5.5 | | 21,814 | 138 | 13,761 | | 0 | 0 | 0 | 1590.29 | 0.174 | | 0.066 | | 276 | 1.891 | 189 | - | - | - | | |
| Shell & Htg. Sys. | 80 | 78 | 72 | 0 | 0 | 0 | 49 | 73 | 129,206 | 10.1 | 7,653 | 4.8 | 10,478 | 18,130 | 137 | 13,501 | | 0 | 0 | 0 | 1615.08 | 0.205 | 156 | 0.065 | 144 | 232 | 1,906 | 188 | - | - | - | | |
| Wall Insul. | 59 | 59 | 51 | 0 | 0 | 0 | 37 | 52 | 49,351 | 4.99 | 3,790 | 2.92 | 6,434 | 10,223 | 74 | 7,228 | | 0 | 0 | 0 | 836.46 | 0.135 | 102 | 0.056 | 124 | 173 | 1,441 | 142 | - | - | - | | |
| Ceiling Insul. | 74 | 74 | 66 | 0 | 0 | 0 | 46 | 67 | 53,635 | 5.09 | 3,874 | 1.56 | 3,445 | 7,320 | 37 | 3,644 | | 0 | 0 | 0 | 724.79 | 0.111 | 84 | 0.023 | 51 | 99 | 0.563 | 55 | - | - | - | | |
| Infil. Reduction | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Found./Crawl. Insul. | 18 | 18 | 15 | 0 | 0 | 0 | 13 | 15 | 6,147 | -0.01 | (11) | 0.21 | 451 | 440 | 10 | 1,021 | | 0 | 0 | 0 | 341.53 | -0.001 | (1) | 0.014 | 30 | 24 | 0.695 | 68 | - | - | - | - | |
| Bandjoist Insul. | 26 | 26 | 26 | 0 | 0 | 0 | - | 26 | 1,736 | 0.00 | 0 | 0.07 | 147 | 147 | 3 | 263 | | 0 | 0 | 0 | 66.75 | - | 0.003 | 6 | 6 | 0.103 | 10 | - | - | - | - | - | |
| Hi-Eff Htg Sys Repl | 10 | 0 | 10 | 0 | 0 | 0 | - | 10 | 18,337 | 0.00 | 0 | 0.00 | 0 | 0 | 14 | 1,345 | | 0 | 0 | 0 | 1833.74 | - | - | 0.000 | 0 | - | 1.351 | 134 | - | - | - | - | - |
| Std-Eff Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | |
| Water Heating | 28 | 0 | 28 | 0 | 0 | 0 | 49 | 0 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 260 | | 0 | 0 | 0 | 9.98 | - | - | - | - | 0.028 | 9 | - | - | - | - | - |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | | | | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Wh Wrap | 0 | 0 | 0 | 0 | 0 | 0 | | | | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0.0 | 0 | | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | |
| Pipe Insul. | 21 | 0 | 21 | 0 | 0 | 0 | | | 135 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.4 | 137 | | 0 | 0 | 0 | 6.42 | - | - | - | - | 0.019 | 7 | - | - | - | - | - | |
| LF Showerhead | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| Faucet Aerator | 27 | 0 | 27 | 0 | 0 | 0 | 49 | 0 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.4 | 123 | | 0 | 0 | 0 | 5.36 | - | - | - | - | 0.015 | 5 | - | - | - | - | - | |
| Lighting | 11 | 11 | | | | | 1,897 | 1,897 | | 918 | 0.3 | 0.8 | | 3,684 | | | | | | | 83.45 | 0.031 | | 0.069 | | 335 | - | - | - | - | - | - | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| CFL (15W) | 1 | 1 | | | | | 3 | 3 | 51 | 0.01 | 0.04 | | | 135 | | | | | | | 51.00 | 0.013 | | 0.035 | | 135 | - | - | - | - | - | - | - |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| CFL (20W) | 1 | 1 | | | | | 3 | 3 | 51 | 0.02 | 0.04 | | | 165 | | | | | | | 51.00 | 0.016 | | 0.043 | | 165 | - | - | - | - | - | - | - |
| CFL (23W) | 6 | 6 | | | | | 27 | 27 | 459 | 0.17 | 0.37 | | | 1,808 | | | | | | | 76.50 | 0.028 | | 0.061 | | 301 | - | - | - | - | - | - | - |
| CFL (25W) | 4 | 4 | | | | | 21 | 21 | 357 | 0.15 | 0.31 | | | 1,576 | | | | | | | 89.25 | 0.037 | | 0.078 | | 394 | - | - | - | - | - | - | - |
| CFL Circline (30W) | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| Waterbed Mattress Pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.0 | 0 | | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| Refrigerator/Freezer | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| Refrigerator Removal | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| Refrigerator Exchange | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| Freezer Exchange | 0 | 0 | | | | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | - | |
| Costs for Measures Without Energy Impacts Installed in 82 Total Households with Spending and/or Energy Impacts: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | 15,922 | | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified Insul. | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Duct Insulation | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Duct Sealing | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Damping Material | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Htg. Sys. Tune & Clean | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Htg. Sys./WH Other | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Space Heater Repl. | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Air Conditioning Work | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Water Heater Repl. | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Water Heater Repair | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Refrigerator Coil Clean | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified Utility Meas | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Asbestos Abatement | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| CO Detector | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Smoke Detector | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Fuses | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Htg Sys Safety Check | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Exhaust Ventilation | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Health/Safety Repairs | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Health/Safety Other | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Consumables | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Preservation | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Roof Repairs | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| General Repairs | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Evaluator Labor | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Inspector Labor | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Eval/Insp Labor | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Meter Refrig (no action) | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Meter Freezer (no action) | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Support | 50 | | | | | | | | | 318.44 | | | | | | | | | | | | | | | | | | | | | | | |
| Landlord | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Landlord | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Warehouse | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified | 0 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |

West Central
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | | | |
|--|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|-------------|----------|-----------|------------------------------|------------|---------------|---------------|-----------------|------------------|---|------------------------------------|-----------------|------------------|------------|-------|------------|---------------|---------------|-----------------|------------------|---------------|---------------|-----------------|------------------|------------|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Electricity | | | | | Gas | | | | | Spending on Materials & Labor (\$) | Electricity | | | | | Gas | | | | | | | | |
| | | | | | | | | | | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | |
| OVERALL | 133 | 132 | 125 | 0 | 0 | 0 | | | 119,644 | 11.7 | | 5.1 | | 23,168 | 154 | 15,691 | 0 | 0 | 0 | 899.58 | 0.115 | | 0.032 | | 176 | 1.234 | 126 | - | - | - | | | | |
| Shell & Htg. Sys. | 131 | 128 | 124 | 0 | 0 | 0 | 64 | 124 | 117,416 | 11.2 | 8,623 | 3.6 | 7,252 | 15,875 | 148 | 13,617 | 0 | 0 | 0 | 896.31 | 0.175 | 135 | 0.029 | 58 | 124 | 1.192 | 110 | - | - | - | | | | |
| Wall Insul. | 92 | 92 | 88 | 0 | 0 | 0 | 46 | 88 | 59,542 | 4.84 | 3,718 | 2.33 | 4,743 | 8,461 | 91 | 8,360 | 0 | 0 | 0 | 647.20 | 0.105 | 81 | 0.026 | 54 | 92 | 1.032 | 95 | - | - | - | | | | |
| Ceiling Insul. | 107 | 107 | 97 | 0 | 0 | 0 | 55 | 97 | 47,797 | 6.47 | 4,966 | 1.00 | 2,025 | 6,991 | 38 | 3,494 | 0 | 0 | 0 | 446.70 | 0.118 | 90 | 0.010 | 21 | 65 | 0.392 | 36 | - | - | - | | | | |
| Infil. Reduction | 36 | 0 | 36 | 0 | 0 | 0 | 0 | 36 | 4,601 | 0.00 | 0 | 0.00 | 0 | 0 | 10 | 919 | 0 | 0 | 0 | 127.81 | - | - | - | - | - | - | - | - | - | - | | | | |
| Found./Crawl. Insul. | 32 | 32 | 30 | 0 | 0 | 0 | 19 | 30 | 4,294 | -0.08 | (61) | 0.18 | 368 | 307 | 7 | 660 | 0 | 0 | 0 | 134.18 | -0.004 | (3) | 0.006 | 12 | 10 | 0.239 | 22 | - | - | - | | | | |
| Bandjoist Insul. | 26 | 26 | 26 | 0 | 0 | 0 | - | 26 | 1,182 | 0.00 | 0 | 0.06 | 117 | 117 | 2 | 184 | 0 | 0 | 0 | 45.48 | - | - | 0.002 | 4 | 4 | 0.077 | 7 | - | - | - | | | | |
| Hi-Eff Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| Std-Eff Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | | Winter kW | | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu |
| Water Heating | 114 | 7 | 107 | 0 | 0 | 0 | 220 | 11 | 209 | 0 | 0 | 0 | 0 | 1,430 | 0.1 | 0.2 | | 1,139 | 6.4 | 2,074 | 0 | 0 | 0 | 12.54 | 0.013 | 0.025 | | 163 | 0.060 | 19 | - | - | - | |
| Temp. Reduct. | 3 | 0 | 3 | 0 | 0 | 0 | | | | | | | | 0 | 0.00 | 0.00 | | 0 | 0.2 | 80 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | | | |
| WH Wrap | 24 | 1 | 23 | 0 | 0 | 0 | | | | | | | | 408 | 0.02 | 0.03 | | 241 | 0.8 | 278 | 0 | 0 | 0 | 17.00 | 0.025 | 0.029 | | 241 | 0.035 | 12 | - | - | - | |
| Pipe Insul. | 89 | 4 | 85 | 0 | 0 | 0 | | | | | | | | 245 | 0.04 | 0.05 | | 393 | 1.4 | 483 | 0 | 0 | 0 | 2.75 | 0.010 | 0.012 | | 98 | 0.016 | 6 | - | - | - | |
| LF Showerhead | 47 | 2 | 45 | 0 | 0 | 0 | 51 | 2 | 49 | 0 | 0 | 0 | 0 | 357 | 0.01 | 0.04 | | 188 | 3.1 | 959 | 0 | 0 | 0 | 7.60 | 0.005 | 0.018 | | 94 | 0.069 | 21 | - | - | - | |
| Faucet Aerator | 102 | 7 | 95 | 0 | 0 | 0 | 169 | 9 | 160 | 0 | 0 | 0 | 0 | 420 | 0.02 | 0.06 | | 318 | 0.9 | 275 | 0 | 0 | 0 | 4.12 | 0.003 | 0.009 | | 45 | 0.009 | 3 | - | - | - | |
| Lighting | 30 | 30 | | | | | 1,897 | 1,897 | | 753 | 0.3 | 0.5 | | 3,854 | | | | | | | | | 25.11 | 0.011 | 0.017 | | 128 | - | - | - | - | - | | |
| Capsylite (42W) | 13 | 13 | | | | | 46 | 46 | | 230 | 0.10 | 0.16 | | 1,233 | | | | | | | | | 17.69 | 0.008 | 0.012 | | 95 | - | - | - | - | - | | |
| Capsylite (52W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | | | | 0.00 | - | - | - | - | - | - | - | - | | | |
| Capsylite (72W) | 14 | 14 | | | | | 22 | 22 | | 110 | 0.07 | 0.11 | | 847 | | | | | | | | | 7.86 | 0.005 | 0.008 | | 60 | - | - | - | - | - | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | | | | 0.00 | - | - | - | - | - | - | - | - | | | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | | | | 0.00 | - | - | - | - | - | - | - | - | | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | | | | 0.00 | - | - | - | - | - | - | - | - | | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | | | | 0.00 | - | - | - | - | - | - | - | - | | | |
| CFL (11W) | 2 | 2 | | | | | 5 | 5 | | 90 | 0.01 | 0.02 | | 145 | | | | | | | | | 45.10 | 0.006 | 0.009 | | 73 | - | - | - | - | - | | |
| CFL (15W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | | | | 0.00 | - | - | - | - | - | - | - | - | | | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | | | | 0.00 | - | - | - | - | - | - | - | - | | | |
| CFL (20W) | 8 | 8 | | | | | 10 | 10 | | 170 | 0.05 | 0.07 | | 550 | | | | | | | | | 21.25 | 0.006 | 0.009 | | 69 | - | - | - | - | - | | |
| CFL (23W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | | | | 0.00 | - | - | - | - | - | - | - | - | | | |
| CFL (25W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | | | | 0.00 | - | - | - | - | - | - | - | - | | | |
| CFL Circline (30W) | 7 | 7 | | | | | 9 | 9 | | 153 | 0.09 | 0.14 | | 1,080 | | | | | | | | | 21.86 | 0.013 | 0.020 | | 154 | - | - | - | - | - | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | | | | 0.00 | - | - | - | - | - | - | - | - | | | |
| Waterbed Mattress Pad | 3 | 3 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 45 | 0.00 | 0.87 | | 2,299 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 15.00 | 0.000 | 0.290 | | 766 | - | - | - | - | - | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | | | |
| Unknown | 3 | 3 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 45 | 0.00 | 0.87 | | 2,299 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 15.00 | 0.000 | 0.290 | | 766 | - | - | - | - | - | |
| Refrigerator/Freezer | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | |
| Refrigerator Removal | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | |
| Refrigerator Exchange | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | |
| Freezer Exchange | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | | |
| Costs for Measures Without Energy Impacts Installed in 133 Total Households with Spending and/or Energy Impacts: | | | | | | | | | | 12,583 | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unspecified Insul. | 1 | | | | | | | | | 60 | | | | | | | | | | | | | 60.00 | | | | | | | | | | | |
| Duct Insulation | 6 | | | | | | | | | 109 | | | | | | | | | | | | | 18.19 | | | | | | | | | | | |
| Duct Sealing | 0 | | | | | | | | | 0 | | | | | | | | | | | | | 0.00 | | | | | | | | | | | |
| Damming Material | 0 | | | | | | | | | 0 | | | | | | | | | | | | | 0.00 | | | | | | | | | | | |
| Htg. Sys. Tune & Clean | 0 | | | | | | | | | 0 | | | | | | | | | | | | | 0.00 | | | | | | | | | | | |
| Htg. Sys./WH Other | 0 | | | | | | | | | 0 | | | | | | | | | | | | | 0.00 | | | | | | | | | | | |
| Space Heater Repl. | 0 | | | | | | | | | 0 | | | | | | | | | | | | | 0.00 | | | | | | | | | | | |
| Air Conditioning Work | 0 | | | | | | | | | 0 | | | | | | | | | | | | | 0.00 | | | | | | | | | | | |

Woodbury
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | Spending on Materials & Labor (\$) | Estimated First-Year Savings Electricity | | | | Gas | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | | | | |
|-----------------------|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|--|----------|-----------|-------|------------|---------------|---|------------------------------------|------------|-----|---------------|-----|-----------------|------------------|-----------------|--|------------------|--|------------|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | Annual therms | Spending on Materials & Labor (\$) | Summer kW | kWh | Winter kW | kWh | Annual kWh | Pk-Day therms | Annual therms | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OVERALL | 61 | 58 | 49 | 0 | 0 | 0 | | | 51,685 | 8.1 | | 2.2 | | 14,936 | 70 | 7,511 | | | | | | | | | | | | |
| Shell & Htg. Sys. | 45 | 45 | 40 | 0 | 0 | 0 | 34 | 40 | 48,736 | 7.6 | 5,835 | 1.1 | 2,256 | 8,091 | 66 | 6,111 | | | | | | | | | | | | |
| Wall Insul. | 29 | 29 | 27 | 0 | 0 | 0 | 20 | 27 | 20,153 | 3.74 | 2,872 | 0.69 | 1,416 | 4,288 | 42 | 3,923 | | | | | | | | | | | | |
| Ceiling Insul. | 44 | 44 | 39 | 0 | 0 | 0 | 29 | 39 | 24,971 | 3.68 | 2,829 | 0.36 | 735 | 3,563 | 21 | 1,942 | | | | | | | | | | | | |
| Infil. Reduction | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| Found./Crawl. Insul. | 6 | 6 | 3 | 0 | 0 | 0 | 5 | 3 | 1,483 | 0.18 | 135 | 0.02 | 47 | 182 | 1 | 103 | | | | | | | | | | | | |
| Bandjoist Insul. | 16 | 16 | 16 | 0 | 0 | 0 | - | 16 | 2,130 | 0.00 | 0 | 0.03 | 58 | 58 | 2 | 143 | | | | | | | | | | | | |
| Hi-Eff Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| Std-Eff Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | | Summer kW | | Winter kW | | Annual kWh | | Pk-Day therms | | Annual therms | | Propane gallons | | Fuel Oil gallons | | Other Mbtu |
| Water Heating | 46 | 3 | 43 | 0 | 0 | 0 | 17 | 2 | 15 | 0 | 0 | 0 | 0 | 813 | 0.1 | 0.2 | | 1,306 | | 4.4 | | 1,438 | | 0 | | 0 | | 0 |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | 0 | 0.00 | 0.00 | | 0 | | 0.0 | | 0 | | 0 | | 0 | | 0 |
| WH Wrap | 33 | 2 | 31 | 0 | 0 | 0 | | | | | | | | 484 | 0.05 | 0.06 | | 481 | | 1.4 | | 475 | | 0 | | 0 | | 0 |
| Pipe Insul. | 44 | 3 | 41 | 0 | 0 | 0 | | | | | | | | 237 | 0.03 | 0.04 | | 295 | | 0.9 | | 298 | | 0 | | 0 | | 0 |
| LF Showerhead | 16 | 2 | 14 | 0 | 0 | 0 | 16 | 2 | 14 | 0 | 0 | 0 | 0 | 90 | 0.03 | 0.10 | | 530 | | 2.1 | | 658 | | 0 | | 0 | | 0 |
| Faucet Aerator | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0.00 | 0.00 | | 0 | | 0.0 | | 0 | | 0 | | 0 | | 0 |
| Lighting | 47 | 47 | | | | | 1,897 | 1,897 | | 2,101 | 0.4 | 0.6 | | 4,773 | | | | | | | | | | | | | | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | 0.00 | | | | | | | | | | | | | |
| Capsylite (52W) | 43 | 43 | | | | | 43 | 43 | | 554 | 0.08 | 0.12 | | 953 | | | | 12.89 | | 0.002 | | 0.003 | | 22 | | | | |
| Capsylite (72W) | 43 | 43 | | | | | 43 | 43 | | 558 | 0.14 | 0.22 | | 1,655 | | | | 12.99 | | 0.003 | | 0.005 | | 38 | | | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | 0.00 | | | | | | | | | | | | | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | 0.00 | | | | | | | | | | | | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | 0.00 | | | | | | | | | | | | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | 0.00 | | | | | | | | | | | | | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | 0.00 | | | | | | | | | | | | | |
| CFL (15W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | 0.00 | | | | | | | | | | | | | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | 0.00 | | | | | | | | | | | | | |
| CFL (20W) | 9 | 9 | | | | | 9 | 9 | | 246 | 0.04 | 0.06 | | 495 | | | | 27.37 | | 0.005 | | 0.007 | | 55 | | | | |
| CFL (23W) | 5 | 5 | | | | | 5 | 5 | | 265 | 0.03 | 0.04 | | 335 | | | | 52.92 | | 0.006 | | 0.009 | | 67 | | | | |
| CFL (25W) | 5 | 5 | | | | | 5 | 5 | | 193 | 0.03 | 0.05 | | 375 | | | | 38.61 | | 0.006 | | 0.010 | | 75 | | | | |
| CFL Circline (30W) | 8 | 8 | | | | | 8 | 8 | | 284 | 0.08 | 0.13 | | 960 | | | | 35.53 | | 0.010 | | 0.016 | | 120 | | | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | 0.00 | | | | | | | | | | | | | |
| Waterbed Mattress Pad | 1 | 1 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 34 | 0.00 | 0.29 | | 766 | | -0.2 | | -38 | | 0.0 | | 0.0 | | 0.0 |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | | 0.00 | | - | | - | | 0.00 | | - | | - |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | | 0.00 | | - | | - | | 0.00 | | - | | - |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | | 0.00 | | - | | - | | 0.00 | | - | | - |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0 | 0.0 | 0 | | 0.00 | | - | | - | | 0.00 | | - | | - |
| Unknown | 1 | 1 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 34 | 0.00 | 0.29 | | 766 | | -0.2 | | -38 | | 0.0 | | 0.0 | | 0.0 |
| Refrigerator/Freezer | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | 0.00 | | - | | - | | 0.00 | | - | | - |
| Refrigerator Remova | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | 0.00 | | - | | - | | 0.00 | | - | | - |
| Refrigerator Exchange | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | 0.00 | | - | | - | | 0.00 | | - | | - |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | 0.00 | | - | | - | | 0.00 | | - | | - |
| Freezer Exchange | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | | 0 | | | | 0.00 | | - | | - | | 0.00 | | - | | - |

Costs for Measures Without Energy Impacts Installed in 61 Total Households with Spending and/or Energy Impacts:
Total7,641
Unspecified Insul.00.00
Duct Insulation00.00
Duct Sealing00.00
Dammng Material00.00
Htg. Sys. Tune & Clean00.00
Htg. Sys./Wh/ Other00.00
Space Heater Repl.00.00
Air Conditioning Work00.00
Water Heater Repl.00.00
Water Heater Repair00.00
Refrigerator Coil Clean00.00
Unspecified Utility Meas00.00
Asbestos Abatement00.00
CO Detector00.00
Smoke Detector00.00
Fuses00.00
Htg Sys Safety Check00.00
Exhaust Ventilation00.00
Health/Safety Repairs00.00
Health/Safety Other00.00
Consumables00.00
Preservation00.00
Roof Repairs00.00
General Repairs00.00
Evaluator Labor00.00
Inspector Labor00.00
Eval/Insp Labor00.00
Meter Refrig (no action)00.00
Meter Freezer (no action)00.00
Support61125.26
Landlord00.00
Landlord00.00
Warehouse00.00
Unspecified00.00
Total Reported Materials, Labor, and Support Costs:59,326
Grand Total of Expenditures:59,326

Dalhoff and Associates80

Polk County
Calendar Year 2001 Estimates
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

| Measure | Number of Households with Impacts | | | | | | Count of Households with Electricity Impacts by End-Use | | | | | | Estimated First-Year Savings | | | | | | Average Estimated First Year Measure Cost and Savings per Treated Household | | | | | | | | | | | | | |
|-----------------------|-----------------------------------|----------|-----|---------|----------|-------|---|----------|------------------------------------|---------|----------|-------------|------------------------------|------------|---------------|---------------|---------------|-----------------|---|------------|------------------------------------|-----------|---------------|---------------|---------------|---------------|-----------------|------------------|------------|-----------------|------------------|------------|
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Cooling | Heating | Spending on Materials & Labor (\$) | Summer | | Electricity | | Annual kWh | Pk-Day therms | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu | Spending on Materials & Labor (\$) | Summer | | Electricity | | Annual kWh | Pk-Day therms | Gas | | Propane gallons | Fuel Oil gallons | Other Mbtu |
| | | | | | | | | | | kW | kWh | kW | kWh | | | Annual therms | kW | | | | | kWh | Annual therms | Annual therms | | | | | | | | |
| OVERALL | 83 | 82 | 40 | 0 | 0 | 0 | | | 51,645 | 5.4 | | 3.5 | | 18,194 | 66 | 6,372 | 0 | 0 | 0 | 622.23 | 0.051 | | 0.031 | | 222 | 1,642 | 159 | - | - | - | | |
| Shell & Htg. Sys. | 41 | 41 | 37 | 0 | 0 | 0 | 29 | 37 | 49,074 | 4.4 | 3,354 | 1.6 | 3,165 | 6,520 | 64 | 5,882 | 0 | 0 | 0 | 1196.93 | 0.152 | 116 | 0.042 | 86 | 159 | 1,733 | 159 | - | - | - | | |
| Wall Insul. | 31 | 31 | 28 | 0 | 0 | 0 | 23 | 28 | 30,541 | 1.69 | 1,282 | 1.10 | 2,236 | 3,519 | 46 | 4,181 | 0 | 0 | 0 | 985.19 | 0.074 | 56 | 0.039 | 80 | 114 | 1,627 | 149 | - | - | - | | |
| Ceiling Insul. | 33 | 33 | 29 | 0 | 0 | 0 | 22 | 29 | 13,965 | 2.72 | 2,064 | 0.29 | 596 | 2,661 | 12 | 1,144 | 0 | 0 | 0 | 423.19 | 0.124 | 94 | 0.010 | 21 | 81 | 0.429 | 39 | - | - | - | | |
| Infil. Reduction | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Found./Crawl. Insul. | 12 | 12 | 9 | 0 | 0 | 0 | 10 | 9 | 3,411 | 0.01 | 8 | 0.12 | 246 | 254 | 5 | 415 | 0 | 0 | 0 | 284.25 | 0.001 | 1 | 0.014 | 27 | 21 | 0.509 | 46 | - | - | - | | |
| Bandjoist Insul. | 19 | 19 | 19 | 0 | 0 | 0 | - | 19 | 1,157 | 0.00 | 0 | 0.04 | 87 | 87 | 2 | 142 | 0 | 0 | 0 | 60.89 | - | - | 0.002 | 5 | 5 | 0.081 | 7 | - | - | - | | |
| Hi-Eff Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Std-Eff Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Other Htg Sys Repl | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | Electric | Gas | Propane | Fuel Oil | Other | Total | Electric | Gas | Propane | Fuel Oil | Other | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | Summer kW | Winter kW | Annual kWh | Pk-Day therms | Annual therms | Propane gallons | Fuel Oil gallons | Other Mbtu | | | |
| Water Heating | 36 | 3 | 33 | 0 | 0 | 0 | 100 | 5 | 95 | 0 | 0 | 0 | 471 | 0.1 | 0.3 | 1,836 | 1.5 | 491 | 0 | 0 | 0 | 13.08 | 0.037 | 0.114 | 612 | 0.047 | 15 | - | - | - | | |
| Temp. Reduct. | 0 | 0 | 0 | 0 | 0 | 0 | | | | 0 | 0.00 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| WH Wrap | 0 | 0 | 0 | 0 | 0 | 0 | | | | 0 | 0.00 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Pipe Insul. | 34 | 2 | 32 | 0 | 0 | 0 | 234 | | | 234 | 0.01 | 0.02 | 138 | 0.4 | 137 | 0 | 0 | 0 | 0 | 6.88 | 0.007 | 0.008 | | 69 | 0.012 | 4 | - | - | - | - | | |
| LF Showerhead | 11 | 1 | 10 | 0 | 0 | 0 | 13 | 1 | 12 | 0 | 0 | 0 | 74 | 0.08 | 0.28 | 1,464 | 0.9 | 263 | 0 | 0 | 0 | 6.73 | 0.083 | 0.280 | 1,464 | 0.085 | 26 | - | - | - | | |
| Faucet Aerator | 32 | 2 | 30 | 0 | 0 | 0 | 87 | 4 | 83 | 0 | 0 | 0 | 163 | 0.01 | 0.04 | 234 | 0.3 | 91 | 0 | 0 | 0 | 5.09 | 0.007 | 0.022 | 117 | 0.010 | 3 | - | - | - | | |
| Lighting | 74 | 74 | | | | | 1,897 | 1,897 | | 2,100 | 0.9 | 1.6 | | 9,839 | | | | | | 28.38 | 0.012 | 0.022 | | 133 | - | - | - | - | - | - | | |
| Capsylite (42W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Capsylite (52W) | 74 | 74 | | | | | 444 | 444 | | 2,100 | 0.87 | 1.63 | | 9,839 | | | | | | 28.38 | 0.012 | 0.022 | | 133 | | | | | | | | |
| Capsylite (72W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Capsylite, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| CFL (5W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| CFL (7W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| CFL (9W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| CFL (11W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| CFL (15W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| CFL (18W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| CFL (20W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| CFL (23W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| CFL (25W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| CFL Circline (30W) | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| CFL, unknown | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Waterbed Mattress Pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.00 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| King | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.00 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.00 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Double | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.00 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Single | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.00 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0.00 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.00 | - | - | - | - | - | - | - | - | - | | |
| Refrigerator/Freezer | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Refrigerator Removal | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Refrigerator Exchange | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Freezer Removal | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |
| Freezer Exchange | 0 | 0 | | | | | 0 | 0 | | 0 | 0.00 | 0.00 | 0 | 0.00 | | | | | | 0.00 | - | - | - | - | - | - | - | - | - | - | | |

Costs for Measures Without Energy Impacts Installed in 83 Total Households with Spending and/or Energy Impacts:
Total8,417
Unspecified Insul.110
Duct Insulation00.00
Duct Sealing00.00
Dammng Material00.00
Htg. Sys. Tune & Clean00.00
Htg. Sys./Whi Other00.00
Space Heater Repl.00.00
Air Conditioning Work00.00
Water Heater Repl.00.00
Water Heater Repair00.00
Refrigerator Coil Clean00.00
Unspecified Utility Meas00.00
Asbestos Abatement00.00
CO Detector00.00
Smoke Detector00.00
Fuses00.00
Htg Sys Safety Check00.00
Exhaust Ventilation00.00
Health/Safety Repairs00.00
Health/Safety Other00.00
Consumables00.00
Preservation00.00
Roof Repairs00.00
General Repairs00.00
Evaluator Labor00.00
Inspector Labor00.00
Eval/Insp Labor00.00
Meter Refrig (no action)00.00
Meter Freezer (no action)00.00
Support388,407221.24
Landlord00.00
Landlord00.00
Warehouse00.00
Unspecified00.00
Total Reported Materials, Labor, and Support Costs:60,062
Grand Total of Expenditures:60,062

APPENDIX A -- CLIENT CHARACTERISTICS

| | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Household characteristics | | | | | | | | | | |
| Quarterly gross income | \$2,305 | \$2,338 | \$2,455 | \$2,655 | \$2,693 | \$2,759 | \$2,987 | \$2,834 | \$3,285 | \$3,488 |
| Average members | | | 2.9 | 2.8 | 2.7 | 2.7 | 2.7 | 2.5 | 2.5 | 2.6 |
| Percentage of households with: | | | | | | | | | | |
| Elderly | | 9.5 | 29.2 | 34.8 | 35.8 | 37.2 | 37.9 | 40.7 | 42.0 | 42.4 |
| Handicapped | | 7.2 | 25.7 | 30.6 | 34.0 | 37.1 | 36.8 | 41.6 | 44.0 | 49.6 |
| Young children | | 18.7 | 14.6 | 20.1 | 22.1 | 19.3 | 20.1 | 17.8 | 18.0 | 18.0 |
| Housing type (%) | | | | | | | | | | |
| Single family home | 84.2 | 88.0 | 88.7 | 87.9 | 87.7 | 90.3 | 88.5 | 85.0 | 92.0 | 0.0 |
| Mobile home | 6.3 | 4.7 | 5.3 | 5.4 | 6.6 | 5.6 | 6.9 | 8.4 | 7.0 | 0.0 |
| Duplex | 1.7 | 2.6 | 3.1 | 1.9 | 2.7 | 1.6 | 1.2 | 2.6 | 0.0 | 0.0 |
| Three+ unit apartment | 5.1 | 4.5 | 1.9 | 1.3 | 0.4 | 0.8 | 0.9 | 1.3 | 0.0 | 0.0 |
| Rent a room | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Unknown/other | 2.0 | 0.1 | 1.1 | 3.5 | 2.6 | 1.7 | 2.6 | 2.6 | 1.0 | 100.0 |
| Heating system type (%) | | | | | | | | | | |
| Natural gas | 72.4 | 70.7 | 75.0 | 76.1 | 80.0 | 82.4 | 80.7 | 81.1 | 81.0 | 85.2 |
| Propane | 14.5 | 14.3 | 15.4 | 13.7 | 13.4 | 11.8 | 13.6 | 11.9 | 14.0 | 11.2 |
| Fuel oil | 5.3 | 5.8 | 5.1 | 4.3 | 3.3 | 3.8 | 2.1 | 2.1 | 3.0 | 1.9 |
| Electricity | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 |
| Other | 7.7 | 9.1 | 4.4 | 5.9 | 3.3 | 2.0 | 3.5 | 4.8 | 2.0 | 0.1 |
| Air conditioning type (%) | | | | | | | | | | |
| Central | 25.5 | 23.1 | 21.6 | 24.7 | 27.6 | 30.5 | 32.9 | 31.6 | 39.0 | 40.0 |
| Room | 30.3 | 29.3 | 42.5 | 41.3 | 44.6 | 41.3 | 43.9 | 45.7 | 46.0 | 46.4 |
| None | 44.2 | 47.6 | 34.6 | 34.0 | 27.8 | 28.3 | 23.2 | 22.7 | 16.0 | 13.6 |
| Blower door readings (average cfm50) | | | | | | | | | | |
| Pre | 3,710 | 3,370 | 3,455 | 3,521 | 3,595 | 3,487 | 3,403 | 3,356 | 3,191 | 3,531 |
| Post | 2,174 | 2,164 | 2,296 | 2,296 | 2,334 | 2,337 | 2,261 | 2,377 | 2,443 | 2,302 |

APPENDIX B – SUMMARY OF THE IOWA BASELOAD ENERGY EFFICIENCY PILOT EVALUATION

We used the impacts from the Iowa Baseload Energy Efficiency Pilot Evaluation to estimate refrigeration appliance savings. The estimated savings for refrigerator and freezer removals from that study are 1,990 kWh and 1,389 kWh, respectively. Estimated savings for refrigerator and freezer replacements are 1,327 and 978 kWh, respectively.

Attached are the table of contents and the executive summary from that study.

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EXECUTIVE SUMMARY

Beginning in May, 1998, the Iowa Weatherization Assistance Program and Alliant Energy-IES Utilities, partnered to implement a pilot program to reduce exceptionally high electricity consumption in low income households in Iowa. The pilot program, dubbed the Baseload Electricity Efficiency Pilot (BEEP), and was funded by Alliant Energy and is patterned after Duquesne Light Company's Smart Comfort Program.

BEEP pilot program installed electricity efficiency measures in 57 households in Iowa between June, 1998 and April, 1999. The program was implemented by two of the agencies that install measures for the Iowa Weatherization Assistance Program (IWAP). Measures installed included refrigerator and freezer replacements/removals, and fuel switching from electric to gas or propane water heaters. Minor measures included additional compact fluorescent lighting, fans, clothes lines, and miscellaneous measures identified by the auditor on-site.

In addition to installing efficiency measures, a major objective of the program was to conduct broad-sweeping client education. In cases where the client was in arrears, the program sought to develop a payment plan to help repay the client's debt.

Major refrigeration appliances were installed if the daily consumption exceeded 5 kWh per day for refrigerators and 4 kWh per day for freezers. Daily consumption was extrapolated from a metering consumption for a 1-2 hour period which took place during the energy audit.

This evaluation reports on energy and client savings from the program, specifically:

- BEEP program energy and client savings;
- Major measure savings, including refrigerator and freezer replacements/removals, and water heater fuel switching savings;
- Assessment of the appropriate consumption threshold to use when evaluating the potential cost-effectiveness of replacing refrigeration appliances.

This evaluation uses both short-term (metered) and long-term (billing analysis) approaches to assess energy impacts. Existing refrigeration appliances that met the replacement thresholds were metered for a period of 3-7 days during the summer of 1998. The metering was repeated during the heating season. The replacement appliances were also metered during the heating season and during the summer of 1999. Ambient temperature readings were logged during all metering periods.

The metering data was used to develop models of energy consumption for all of the refrigeration appliances that were removed, replaced, or installed by the program.

In addition to metering, we conducted a fuel consumption analysis of the households. The modeled energy consumption was subtracted from whole-house impacts, leaving the net impacts of education, miscellaneous measures, and water heater fuel switching measures.

Summary of Findings

A total of 75 households were visited by BEEP personnel. The BEEP pilot successfully installed more than \$66,000 in energy efficiency measures. These included 40 refrigerators, 19 freezers, and 16 water

heater fuel switches. Clients received energy education as well as numerous other measures suited for their particular energy efficiency needs. Measures were installed in 57 households.

Refrigerator and Freezer Replacement Savings

- Refrigerator and freezers exchanges saved an average of 1,327 (1,139 to 1,515)¹ kWh and 978 (834 to 1,122) kWh respectively. The average first year client savings from refrigerator exchanges was \$108 (\$93 to \$123), and for freezers was \$80 (\$68 to \$92). The average cost of new appliances was \$689 for refrigerators and \$399 for freezers. The appliance exchanges were cost-effective, providing mean savings-to-investment ratios (SIRs) of 1.8 (1.5 to 2.1) and 2.1 (1.8 to 2.4), respectively.
- Modeled impacts suggest that for every 100 households visited by a program similar to BEEP, 42 households would receive refrigerators and 23 would receive freezers (note: this assumes targeting households based upon high electricity consumption.) This translates into an average first-year savings of \$75 per household for all households visited by the BEEP program. For comparison, first-year savings for the average IWAP participant, considering all households visited by IWAP personnel, is \$183 per household in Iowa.
- Future program impacts would be optimized using a minimum threshold of 4.2 kWh for refrigerators and 2.6 kWh for freezers. The pilot program used 5 kWh per day for refrigerators and 4 kWh per day for freezers. If utility funds are used to replace major refrigeration appliances, then these might be subject to the more restrictive societal cost test used in Iowa. Higher thresholds should be calculated for these instances.
- Short-term metering should be conducted for a period of not less than 2 hours.

Education and Miscellaneous Measure Savings

The whole-house fuel consumption analysis points to savings for education and miscellaneous measures on the order of 682 (-459 to 1,859) kWh. The wide range of uncertainty stems from our small sample size. Assuming our median value for savings is representative of typical household savings for this high-use population, then our analysis suggests that education and miscellaneous measures are cost-effective as long as the average costs per household do not exceed \$60 per household, even if the impacts persist for only a single year.

Water Heater Fuel Switching Savings

The fuel consumption analysis results show that typical fuel switching installations saved 2,175 (409 to 5,674) kWh per year, and increased natural gas use by 197 (-432 to -60) therms per year. Based upon these estimates, water heater fuel switching is borderline cost-effective from a client bill perspective. The first-year client savings were \$87 (-201 to \$498). The net lifetime client bill savings was \$775 (\$-1890 to \$4,407), resulting in an SIR of 1.1 (-2.5 to 6.2).

Twenty-one percent of households visited by BEEP auditors received a water heater replacement from electricity to natural gas or propane. Savings from water heater fuel switching averaged \$17 per household when averaged across all households participating in the BEEP program.

¹ The 90% confidence intervals are shown in parentheses, i.e., we are 90% certain that the true population mean falls within the range defined by these values.

Program Design Recommendations

- Existing refrigeration appliances should be metered for a minimum of 2 hours.
- Replacement thresholds can be reduced to 4.2 kWh and 2.6 kWh for refrigerators and freezers, respectively. Appliances funded by Alliant Energy-IES which must pass the Iowa societal cost test should use the limits of 6.1 kWh and 3.7 kWh for refrigerators and freezers, respectively.
- Electricity savings from education and miscellaneous measures averaged 682 kWh (-459 to 1,859), however the savings were statistically indistinguishable from zero at 90% confidence. We recommend that they be continued, especially for these high-use households where better understanding of the costs and savings of these measures could lead to behavioral changes in discretionary energy use.
- Water heater fuel switching offers clients significant savings and should be considered for implementation in a full-scale program.
- The cost-effectiveness of installing extremely highly efficient refrigerators should be considered. Appliances installed through BEEP were standard higher-efficiency models offered by local vendors
- The cost-effectiveness of measures addressing other large end-uses such as clothes washing and drying, and dehumidification should be reviewed to determine if these measures could be added to the program.

